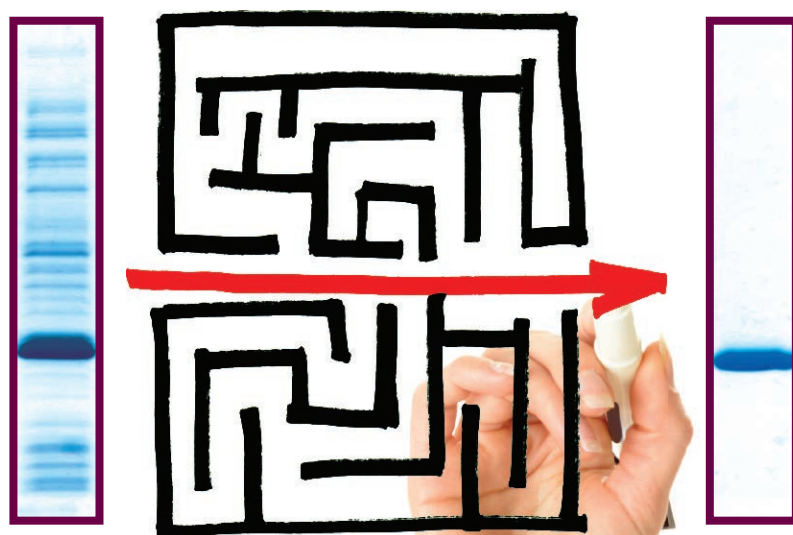


Bioscience

2014-15

Volume - I



Technical Queries ...?

Just get in touch with our
Tech Support !!!



India Technical Support for
Merck Millipore Bioscience Products

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 Email : techsupport.bioscience@merckgroup.com

Contents

Part 1	GeNei™, Products from Merck India Tools for Genomic Research, Tools for Proteomic Research, Custom Services, Educational Products, Techware Equipments	9
Part 2	Biochemicals from Merck KGaA (Germany), Omnipur, Calbiochem Buffers, Buffer Salt, Detergents, Electrophoresis Reagents, Amino Acids, L-Amino Acid, Proteins & Enzymes, Stains, Carbohydrates, Denaturants, Chelating Agent, Detergents, Dyes & Stains, Acid & Bases, Water, Gel Medias	165
Part 3	Antibodies Phosphodetect Antibodies, Primary Antibodies, Secondary Antibodies	181
Part 4	Small Molecules Inhibitor, Insolution Inhibitors, Signaling Pathway Panels, Kinase Inhibitor Libraries, Protease & Phosphatase Inhibitor Cocktails	199
Part 5	Core Assays Assays from Calbiochem	245
Part 6	ELISA ELISA Kits from Calbiochem	249
Part 7	Protein Sample Preparation Cloning, Protein Expression & Purification, Sample Preparation Tools	251
Part 8	Novel Detection Protein Markers, Reagents & Products for Western Blotting	271
Part 9	Molecular Biotools Antibodies for Detection, Competent Cells, DNA Molecular Weight Markers & Ladders, Nucleic Acid Purification Kits, PCR Cloning Kits, PCR Tools	277
Part 10	Stem & Speciality Cell Culture Reagents & Kits for Stem Cell Research	327
Part 11	Cell Culture Reagents & Immunochemicals from SLI Sterile Filtered Sera, Media-Liquid & Powdered, other products for Cell Culture	331

Foreword



Dear Customer,

It is my pleasure to present you the Merck Millipore Bioscience Price List 2014.

As you would be well aware, Merck Millipore's Bioscience business is focused on delivering new technologies and workflow solutions that enable lifescience researchers in pharmaceuticals, biotechnology, and academia to understand complex biological systems, identify new therapeutic targets, discover and develop improved medicines. Our Bioscience products and services simplify the workflow for researchers and help to advance lifescience research in a wide variety of areas ranging from neuroscience, infectious disease, oncology and metabolic disorders to stem cells, cell signalling, nuclear function and chromatin biology.

In India, we have continually expanded our product portfolio and now provide 'complete workflow solutions' for the lifescience industry. Our value proposition is enriched by this wide range of innovative products:

- Cell ASIC™ ONIX Microfluidic Perfusion Platform for micro fluidics culture – an automated perfusion system, which enables the scientist to control in-vivo-like conditions for his cell culture experiments and allows one tool to address a multitude of cell culture conditions.
- Cellular Analysis – catering to all facets of cellular analysis from automated cell counts to phenotypic and multi-parametric flow cytometry with imaging by application driven products like Scepter™, Muse™, Guava™ and Amnis®.
- Smart RNA™ Detection Probes and SmartRNAPlex™ Assay – fuelled by NanoFlare Technology, this award winning concept can explore live mRNA inside live cells without any sample preparation.
- Strat-M® – a synthetic membrane with high correlation to human skin for in-vitro testing and used majorly to study trans-dermal diffusion testing for drug discovery and product safety.
- Protein Sample Preparation – range of devices catering to sample preparation, extraction, purification and concentration of Proteins and Nucleic Acids.
- Samplicity® – vacuum driven sample preparation device providing an easy, high-throughput alternative to syringe-tip filters for chromatography sample preparation.
- ZHE – ZHE Hazardous Waste System; a suitable apparatus for Toxicity Characteristic Leaching Procedure.

At Merck Millipore, we strongly believe that customer feedback is the best barometer of our achievements and our potential for further development. Your words of encouragement and criticism have propelled us to work tirelessly to achieve your seal of approval. We are grateful for your sustained patronage and reiterate our commitment to continue building your trust and confidence in us.

Wishing you a very successful and prosperous 2014.

A handwritten signature in blue ink, reading "C. Boedecker".

Dr. Claus-Dieter Boedecker
Managing Director, Merck (India)

About Merck Millipore

Merck Millipore is the Life Science division of Merck KGaA of Germany that offers a broad range of innovative, performance products, services and business relationships that enable the customer's success in research, development and production of biotech and pharmaceutical drug therapies.

Through dedicated collaboration on new scientific and engineering insights, and as one of the top three R&D investors in the Life Science Tools industry, Merck Millipore serves as a strategic partner to customers and helps advance the promise of life science. The division has around 10,000 employees, operations in 67 countries and 2010 revenues of 2.2 billion.

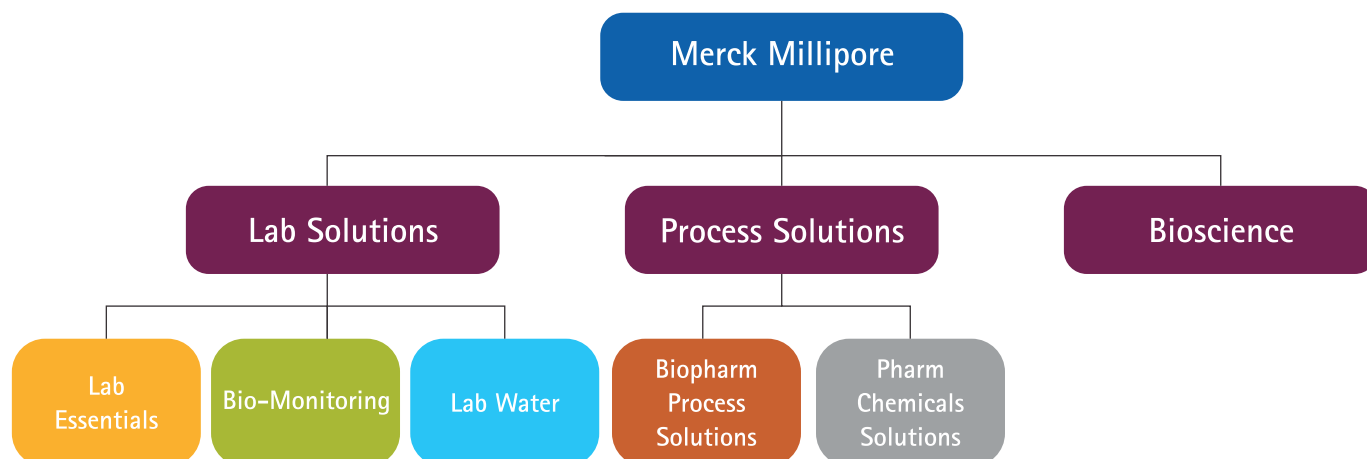
The world's leading Life Science companies choose Merck Millipore to help them as they tackle their most complex challenges. The customer base spans from private research institutions, analytical, academic and clinical laboratories to biotech, pharmaceutical and contract manufacturing organizations.

To meet the customer needs, Merck Millipore business capabilities are organized along the "Journey of a Product" through research, development and manufacturing. The Merck Millipore comprises of three business units: Lab Solutions, Process Solutions and Bioscience, each with distinct business fields.

Lab Solutions offers high-quality products for basic research conducted in research, quality, analytical and clinical laboratories. The three business fields Lab Essentials, Bio-Monitoring and Lab Water offer a broad range of products for a wide variety of sectors and regions.

The Process Solutions business unit is specialized in a variety of applications for the biotechnology, pharmaceutical, food and beverage industries. The business unit comprises two business fields: Biopharm Process Solutions and Pharm Chemicals Solutions.

The Bioscience business unit provides products and services for pharmaceutical, biotechnology and academic laboratories conducting life science research. The business unit offers products to advance life science research in a wide variety of areas from neuroscience, infectious disease, oncology and metabolic disorders to stem cells, cell signaling, nuclear function and chromatin biology.



Dear Customers

We take great pleasure in presenting our Indian Rupee Price List (2014-15) for Merck Millipore Bioscience. The Pricelist has two volumes –

Volume 1 consists of INR prices for Products from:-

1. Merck India (GeNei) - Genomics, Proteomics, Techware, Education kits & Custom services
2. Merck KGaA, Germany - Electrophoresis Reagents
3. EMD Biosciences Inc., USA (Calbiochem, Novagen) - Biochemicals, Immunochemicals & Proteomics Reagents

And our Associates:-

1. Sera Laboratories International, UK-Tissue Culture Products

Volume 2 consists of INR prices for products from Millipore - Immunochemicals, Filtration, Sample Preparation & Western Blotting.

Our powerful combination of expertise and capabilities helps us to provide more than 40,000 products in the areas of Epigenetics, Cancer, Stem Cell research, Cell structure, Cell Signaling, Neuroscience, and Toxicity offering complete workflow solutions in Genomics, Proteomics, Cell Culture, Cell analysis, Western Blotting, Disease Pathway tools to advance Life science research at each step.

Through our strong R&D efforts and investment we continue to launch innovative products like the CellASIC™ - Microfluidic Platform, SmartFlare™ RNA Detection Probes, Amicon® Pro Affinity Concentrator and many more.

We have a dedicated team of Field Application Scientists who support your research through product demonstrations, seminars and consultation. Our Technical Support Scientists at the Merck Millipore lab in Bangalore provide answers to your research queries along with training on handling the Flowcytometry and Multiplex instruments. They can be reached on the following toll free number and Email on all 5 working days from 9 am to 5 pm.

The Toll Free Number : 1-800-103-4666

E-mail : techsupport.bioscience@merckgroup.com

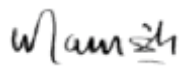
The R&D facility of Merck at Bangalore specializes in development and production of Genomics, Proteomics, and Plant based products and teaching kits in the GeNei range. We also offer a wide range of high quality custom services to support your research.

In our continuous efforts to provide value added services to our customers we have a modern and well equipped Central warehouse in New Bombay and Bangalore and Zonal distribution centers at Delhi, Mumbai, Kolkata, Lucknow, Ahmedabad, Bangalore, Chennai and Hyderabad.

Our goal is to deliver new technologies and workflow solutions that enable lifescience researchers to understand complex biological systems, identify new therapeutic targets, discover and develop improved medicines.

We thereby wish to “Unleash the potential of Science for Life...!”

Regards,



Manish Mishra
Head - Bioscience, Merck Millipore

Merck Millipore Bioscience

Unleash the Potential of Science for Life



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Terms & Conditions of Sales

- (1) Prices – While the prices indicated in the price list are the maximum chargeable effective 1st April 2014, company reserves the right to revise the prices depending upon the changing market conditions. The company in such an event, reserves the right to invoice goods at the price, determined on the date of despatch. The prices mentioned in the price list are the maximum and it is open to the dealers and others to sell products at prices lower than the ones indicated in the price list.
- (2) Taxes & duties – The prices mentioned in this Price List are inclusive of Excise Duty / Customs Duty whenever applicable but exclusive of all other applicable taxes and levies. Exemption from taxes / duties can be sought by furnishing the applicable declaration / certificate, while placing the orders. Non furnishing of these documents will result in company charging / recovering applicable higher tax / duties.
- (3) Delivery –
 - (a) Freight – All orders of the value of ₹ 30000/- or more will be supplied F.O.R. destination by road transport or goods train. For goods of the value of less than ₹ 30000/-, the consignment will be despatched on freight to pay basis.
 - (b) Availability – All efforts will be made to make the goods available on time. However, company does not take any responsibility nor is liable for damages, delayed deliveries or non-delivery of goods on stipulated dates.
 - (c) Compliances – The dealers / customers / end users should comply with the local and central statutory requirements, such as obtaining the required licences, road permits, statutory licences etc., while placing the orders as well as when the goods are purchased / stored and used.
 - (d) Place of delivery – The sale may take place either from the Company's Clearing and Forwarding agent's premises or from the Company's main warehouse located at Nerul, Navi Mumbai.
- (4) Bulk Pack requirement – Bulk pack requirements will be treated differently for the prices, delivery and discount, depending upon the specific requirement of the dealers / end users.
- (5) Payment – The Company formulates guidelines from time to time indicating the terms of payment i.e. on delivery or payment after expiry of specific number of days. The dealers / customers / end users shall comply with such terms and conditions of payment.
- (6) Amendment / Cancellation – Orders which are in writing, once placed, shall not be revoked or cancelled. So also the goods once despatched against the confirmed order, should not be returned and the Company shall not accept such returned goods.
- (7) Return of goods – The goods despatched, if deemed to be not as per the specifications or of quality requirements, should be returned to the place of invoice without much delay, in any case not later than 3 weeks from the date of such claims approved by our quality assurance department.
- (8) Insurance – The goods are packed with utmost care and forwarded at customer's risk. If the customer wants the goods to be insured, on his request, the Company will insure such goods in transit and the premium cost should be borne by the customer.
- (9) Any clarification on the contents of price list can be sought at the –

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GENEI

- Genomic Products
- Proteomic Products
- Custom Research Services & Products
- Educational Products
- Techware Equipments
- New Products

Genomic

Restriction Enzymes

Genei restriction enzymes are supplied in convenient pack sizes and suitable concentrations. We are supplying commonly used enzymes in high concentration to aid genomic DNA digestions. Each lot of enzyme is rigorously checked for its integrity and functional purity during and after the process. All batches of restriction enzymes are assayed for their activity once every two months. Stability checks have confirmed that most of the enzymes are stable at -20°C for more than one year. Concentrated enzymes stay active longer than dilute enzymes.

We have divided the restriction enzymes based on the assay conditions into five groups for the convenience of the user. The enzymes and the buffer vials are colour coded. 10X assay buffer and 100X nuclease free BSA (wherever needed) is supplied free of cost with the enzyme. Genei also caters to your additional requirement of reaction buffers. For reaction buffer set refer index. Unique buffer is supplied for the enzyme which performs sub-optimally with the existing five assay buffers. The details of incubation buffer system is given in the catalogue.

Quality Checks:

Unit Definition:

The catalytic activity of the restriction enzymes available from us is based on the determination of the minimum amount of enzyme required for the generation of the enzyme-specific final fragment pattern of lambda DNA in most cases.

One unit is defined as the amount of enzyme required to produce a complete digest of 1 µg of lambda DNA in a reaction volume of 50 µl in 60 minutes under optimal conditions of salt, pH and temperature.

In some cases the determination of the unit is based on digestion of λ_{dam}- DNA, pBR 322 DNA, Ad2 DNA, λ / EcoR I digest or λ / Hind III digest.

Overnight Non-specific Nuclease Assay:

Every preparation of restriction enzyme is tested for non-specific nucleases. Varying units of enzyme is incubated with 1 µg of substrate DNA at the recommended assay conditions in 50 µl reaction volume for 16 - 20 hours. A sharp unaltered banding pattern is an indication of the purity of enzyme free from detectable non-specific nucleases. The highest number of units producing sharp unaltered pattern is reported on the certificate of analysis supplied with each enzyme.

Non-Specific Endonuclease assay:

The test is done for enzymes that do not have any site in supercoiled plasmid substrate. These enzymes are incubated with 1 µg of supercoiled (RFI form) DNA in 0.05 ml reaction

volume for 4 hours at the recommended assay conditions. A single non-specific nick in the supercoiled form produces nicked (RF-II) form. The two forms can be distinguished on an agarose gel and the percentage of conversion estimated.

Ligation/Recut Assay:

The DNA fragments produced by a 3 to 10 fold excess of restriction enzyme digestion are ligated. Following the ligation, the DNA fragments are recut with the same restriction enzyme. An unaltered banding pattern after cleavage indicates intact 5' and 3' termini as well as the absence of contaminating nucleases. The estimated level of ligation and re-cleavage must exceed 70-90%.

Blue/White Standard Assay:

This is a very sensitive assay for the restriction enzymes used in cloning applications. This assay allows the detection of very low levels of nuclease contamination present in restriction enzymes. This assay is performed for those enzymes that have site present in the multiple cloning region that is in turn present within Lac Zα gene of the plasmid.

The assay is performed by cleaving the plasmid with 3-10 fold excess of enzyme. The cleaved DNA is ligated and used to transform competent DH5α E.coli cells. The transformed cells are grown on a selective medium to ensure that all the colonies that grow arise from an E.coli transformed with the ligated vector. These colonies are tested for the integrity of the polylinker site by checking for the presence of the functional β-galactosidase locus. Only those colonies that turn blue on addition of X-gal and IPTG have β-galactosidase locus intact that in turn indicates that the polylinker site (that lies within this structural gene) was unchanged by cut and religation. The permitted percentage of white colonies is upto 2% for sticky end generating enzymes and upto 10% for blunt end generating enzymes.

Star activity: Genei recommends very careful use of a few enzymes which are very sensitive to slightly altered assay conditions. The enzymes which exhibit star activity when high units/µg of DNA and/or incubated for long hours are BamH I, EcoR I, Kpn I, Nco I, Hinf I, PvuII, Sau3A I, Ssp I, Sal I, Nhe I and Kpn I.

Tips to use Restriction Enzymes

- All restriction enzymes and 10X assay buffers should be stored at -20°C. Thaw the assay buffers completely before use.
- Restriction enzymes should be kept on ice when they are not in the freezer.
- The enzyme should always be the last component added to the reaction mixture.
- The substrate DNA should be free of contaminations such as phenol, chloroform, alcohol, EDTA, detergents or excessive salts all of which can interfere with restriction enzyme activity.
- Nature of DNA and DNA Methylation is also an important element of a restriction digestion so it is advisable to check the amount of enzyme needed to cleave the substrate prior to the actual experiment.
- The restriction enzyme: DNA: reaction volume ratio according to the unit definition is 1 U: 1 µg: 50 µl and can be used as a guide when designing a reaction mixture.
- Smaller volumes are more susceptible to pipetting errors.
- An important point to keep in mind for a successful digestion is mixing. Ensure thorough mixing for complete digestion. We recommend gentle up and down pipetting of reaction mixture followed by a short spin in microcentrifuge.
- Incubation time may be shortened if an excess of restriction enzyme is added to the reaction mixture and vice versa.
- Enzymes should be diluted (if required) using respective dilution buffer. The diluted enzymes should be used the same day.
- The termination of the reaction may be done either by adding stop solution or by heat inactivation at 65°C for 20 minutes. Phenol-chloroform extraction may be followed as an alternative method for the restriction enzymes that cannot be heat inactivated.

Factors Influencing Restriction Enzyme Activity

Nature of DNA :

The nature of the substrate strongly influences the activity of restriction enzymes. The most important parameters are :

- base distribution in natural DNA
- tertiary structure of DNA
- base composition of the flanking sequence
- the position of the cleavage site with respect to each other.

If the DNA has contaminants like phenol, chloroform, alcohol, detergents, EDTA the restriction enzyme activity will be inhibited.

Temperature :

Optimal digestion of DNA varies over a wide temperature range for different restriction enzymes. The restriction enzymes supplied by Genei include enzymes for which

the optimum incubation temperature is different from the standard incubation temperature of 37°C. These enzymes are listed below.

Enzymes	Assay Temperature
Apa I	25°C
Bst E II	60°C
Sma I	25°C
Taq I	65°C

Tris-HCl is the most commonly used buffering agent in incubation mixtures. This buffer system is markedly temperature dependent. The change in pH per 10°C amounts to approx 0.3.

Another important factor affecting the optimum activity is the appropriate ionic environment. Mg²⁺ ions are an absolute requirement for all restriction enzymes, whereas the addition of other salt components depends on the different nucleases. Sometimes the presence of BSA in the reaction mix has the crucial influence on the activity of enzymes, because it stabilizes the enzyme, binds some impurities, prevents the enzyme adsorption to the test tube surface.

Factors Influencing Restriction Enzyme Activity contd...

Methylation of DNA :

Restriction endonucleases are part of prokaryotic restriction/modification systems. The digestion of DNA isolated during cloning steps in bacterial cells can be strongly affected by the methylation of specific adenosine or cytosine residues in the recognition sequence of the restriction enzyme of interest.

Many E.coli host strains possess two nucleotide sequence specific methylases; the *dam* methylase which modifies adenine residues to N⁶-methyladenine in the sequence GATC and the *dcm* methylase which modifies the internal cytosine residues to 5-methylcytosine in CCAGG or CCTGG sequences. Digestion of DNA may be inhibited by *dam* or *dcm* methylation sequences.

Restriction enzymes affected by *dam* and *dcm* methylation are listed below:

Enzymes inhibited by <i>dam</i> methylation		Enzymes inhibited by <i>dcm</i> methylation	
	+		+
<i>Cla</i> I	AT/CGAT	<i>Stu</i> I	AGG/CCT
	+		
<i>Mbo</i> II	GAAGA(N)8/7		
	+		
<i>Mbo</i> I	/GATC		
	+		
<i>Nru</i> I	TCG/CGA		
	+		
<i>Taq</i> I	T/CGA		
	+		
<i>Xba</i> I	T/CTAGA		

CpG Methylation is found in higher eukaryotes. These enzymes (e.g. Dnmt1) transfer a methyl group to the C5 position of cytosine residues. Patterns of CpG methylation are heritable, tissue specific, and correlate with gene expression. Consequently CpG methylation has been postulated to play a role in differentiation and gene expression.

This CpG methylation patterns will not be retained once the DNA is cloned into a bacterial host.

Genei Restriction Enzymes inhibited by CpG methylation are listed below:

Enzymes inhibited by CpG methylation	
Ava I	C/PyCGPuG
Cla I	AT/CGAT
Hha I	GCG/C
Hpa II	C/CGG
Mlu I	A/CGCGT
Nae I	GCC/GGC
Nru I	TCG/CGA
Pvu I	CGAT/CG
Sal I	G/TCGAC
Sfi I	GGCCNNN/NGGCC
Sau3AI	/GATC
Sma I	CCC/GGG
Xma I	GAANN/NNTTC

Reaction Buffer for Restriction Enzymes

Genei provides colour coded 10X assay buffer with each restriction enzyme to ensure optimal activity. Some restriction enzymes require BSA at a final concentration of 100 µg/ml for optimal activity. BSA is supplied as 10 mg/ml (100 X) stock when required and should be added to the reaction mixture.

Final Concentration in mM (1X Recipe)										
Buffer	Tris HCl	Tris - Acetate	Sodium Chloride	Magnesium Chloride	Magnesium Acetate	Potassium Acetate	Potassium Chloride	DTT	pH	Enzymes
A	10	—	150	7	—	—	—	1	7.9	EcoR V, Not I*, Sal I
B	10	—	100	10	—	—	—	1	8.0	Bgl I, Bgl II, Hinc II, Mlu I, Ssp I.
C	10	—	50	10	—	—	—	1	7.8	Alu I, Hae III, Hinf I, Msp I, Nhe I, Pvu II, StuI, Xba I.
D	Optimised Conc.	—	—	10	—	—	Optimised Conc.	—	Optimised pH	BamH I, BstE II, EcoR I, Hind III, Mbo I, Mlu I, Nsi I, Taq I, Pst I, Pvu I, Spe I, Nco I, Nde I, Nru I
L	10	—	—	10	—	—	—	1	7.4	Hpa II, Sac I, Xma I
E	—	33	—	—	10	66	—	0.5	7.9	Apa I, Ava I, Cla I, DraI, Hpa I, Nae I, Sau3A I, SnaB I, Sfi I, Sma I, Xho I, Xmn I.

Note :

Not I* Buffer A with 0.01% Triton X 100. The enzymes printed bold need BSA for optimum activity.

List of Isozymes

Sl. No.	Restriction Enzymes	Sequence	Isozymes
1.	<i>Apa I</i>	GGG CC ↓ C	Bsp120 I, PspOM I
2.	<i>Ava I</i>	C ↓ PyCGPuG	Eco88 I
3.	<i>BstE II</i>	G ↓ GTNACC	BstP I, Eco91 I, Eco065 I, PspE I
4.	<i>Cla I</i>	AT ↓ CGAT	Ban III, Bsa29 I, Bsc I, BseC I, BsiX I, Bsp106 I, BspD I, BspX I, Bsu15 I
5.	<i>EcoR V</i>	GAT ↓ ATC	Eco32 I
6.	<i>Hae III</i>	GG ↓ CC	Bsh I, BsuR I, Pal I
7.	<i>Hinc II</i>	GT(T/C) ↓ (A/G)AC	Hind II
8.	<i>Hpa I</i>	GTT ↓ AAC	BsHP I, KspA I
9.	<i>Hpa II</i>	C ↓ CGG	Bsi S I, Hap II, Msp I
10.	<i>Kpn I</i>	GGTAC ↓ C	Acc65 I, Asp718
11.	<i>Mbo I</i>	↓ GATC	BscF I, Bsp143 I, Dpn II, Kzo9 I, Nde II, Sau3A I
12.	<i>Msp I</i>	C ↓ CGG	Bsi S I, Hap II, Hpa II
13.	<i>Nae I</i>	GCC ↓ GGC	MroN I, NgoA IV, NgoM IV
14.	<i>Nco I</i>	C ↓ CATGG	Bsp19 I
15.	<i>Nde I</i>	CA ↓ TATG	FauND I
16.	<i>Not I</i>	GC ↓ GGCCGC	CciN I
17.	<i>Nhe I</i>	G ↓ CTAGC	AsuNH I
18.	<i>Nsi I</i>	ATGCA ↓ T	EcoT22 I, Mph1103 I, Ppu10 I, Zsp2 I
19.	<i>Nru I</i>	TCG ↓ CGA	Bsp68 I
20.	<i>Pvu I</i>	CGAT ↓ CG	BspC I, Ple19 I
21.	<i>Sac I</i>	GAGCT ↓ C	Ecl136 II, Eco ICR I, Psp124B I, Sst I
22.	<i>Sau3A I</i>	↓ GATC	BscF I, Bsp143 I, Dpn II, Kzo9 I, Mbo I, Nde II
23.	<i>Sma I</i>	CCC ↓ GGG	Cfr9 I, PspA I, Xma I, XmaC I
24.	<i>SnaB I</i>	TAC ↓ GTA	BstSN I, Eco105 I
25.	<i>Spe I</i>	A ↓ CTAGT	AcIN I, Bcu I
26.	<i>Stu I</i>	AGG ↓ CCT	Aat I, Eco147 I, Pme55 I, SseB I
27.	<i>Taq I</i>	T ↓ CGA	TthHB8 I
28.	<i>Xho I</i>	C ↓ TCGAG	Paer7 I, Sfr274 I, Tli I
29.	<i>Xma I</i>	C ↓ CCGGG	Cfr9 I, PspA I, Sma I, XmaC I
30.	<i>Xmn I</i>	GAANN ↓ NNTTC	Asp700 I, MroX I

Relative Activity of Restriction Enzymes in Genei Assay Buffer System

Sl. No.	Restriction Enzymes	10X Assay Buffers					
		A	B	C	D	E	L
1.	<i>Alu</i> I	50	75	100	100	100	100
2.	<i>Bam</i> H I	25	50	50	100	50	50
3.	<i>Bgl</i> I	100	100	75	100	25	0
4.	<i>Bst</i> E II	0	50	25	100	50	0
5.	<i>Eco</i> R I	25	50	50	100	50	0
6.	<i>Eco</i> R V	100	75	50	100	50	0
7.	<i>Hae</i> III	75	100	100	100	100	25
8.	<i>Hpa</i> I	0	0	0	25	100	25
9.	<i>Kpn</i> I	0	0	75	25	50	100
10.	<i>Mbo</i> I	50	75	50	100	50	0
11.	<i>Msp</i> I	25	75	100	25	100	100
12.	<i>Nco</i> I	0	50	50	100	50	50
13.	<i>Not</i> I	100	100	75	100	0	0
14.	<i>Pst</i> I	50	50	50	100	25	50
15.	<i>Sac</i> I	25	25	50	50	100	100
16.	<i>Sal</i> I	100	50	0	25	0	0
17.	<i>Sau</i> 3A I	25	25	25	100	100	75
18.	<i>Spe</i> I	25	25	50	100	50	50

NOTE:

- supplies the buffers that are typed in italics and bold with the respective enzymes.
- Chart serves as a guide to choose the compatible buffer for double digestion.
- In case of *Taq* I, the percentage activity is reported with respect to the unique buffer supplied.

Cat No.	Pl. No.	Product	Sequence	Assay Condition		Volume Activity (Units/μl).	Qty	Unit Price ₹
				Buffer	Temp			
610101700041730	MBE17L	<i>Alu</i> I	AG ↓ CT	C	37°C	5-10	500 U	6000
610100100021730	MBE1S	<i>Bam</i> H I	G ↓ GATCC	D+ BSA	37°C	10	2000 U	1250
610100300021730	MBE3S	<i>Eco</i> R I	G ↓ AATTC	D+ BSA	37°C	20	4000 U	1040
610100300041730	MBE3L	<i>High Conc.</i>				20	20000 U	3600
610100900021730	MBE9S	<i>Eco</i> R V	GAT ↓ ATC	A+ BSA	37°C	10	1200 U	1800
610101000041730	MBE10L	<i>Hae</i> III	GG ↓ CC	C	37°C	10	4000 U	5060
610100600041730	MBE6L	<i>Hind</i> III	A ↓ AGCTT	D+ BSA	37°C	20	4000 U	1710
610102200041730	MBE22L	<i>Kpn</i> I	GGTAC ↓ C	L+BSA	37°C	10	4000 U	4200
610102700041730	MBE27L	<i>Mbo</i> I	↓ GATC	D+BSA	37°C	5-10	400 U	5780
610103100021730	MBE31S	<i>Msp</i> I	C ↓ CGG	C	37°C	10	400 U	1790
610101500041730	MBE15L	<i>Nco</i> I	C ↓ CATGG	D+ BSA	37°C	5-10	400 U	5750
610106200021730	MBE62S	<i>Nde</i> I	CA ↓ TATG	D+ BSA	37°C	20	4000 U	1530
610101600041730	MBE16L	<i>Not</i> I	GC ↓ GGCCGC	A+ BSA	37°C	5-10	400 U	5560
610101200021730	MBE12S	<i>Pst</i> I	CTGCA ↓ G	D + BSA	37°C	10	1200 U	1960
610101800041730	MBE18L	<i>Sac</i> I	GAGCT ↓ C	L+BSA	37°C	10	2000 U	6090
610100400041730	MBE4L	<i>Sal</i> I	G ↓ TCGAC	A+BSA	37°C	10	2000 U	4030
610100500041730	MBE5L	<i>Sau</i> 3A I	↓ GATC	E+BSA	37°C	5-10	400 U	6000
610103800041730	MBE38L	<i>Spe</i> I	A ↓ CTAGT	D+BSA	37°C	1-5	400 U	5340
610100700021730	MBE7S	<i>Taq</i> I	T ↓ CGA	Unique	65°C	10	800 U	2320

All restriction enzymes and 10X assay buffers should be stored at -20°C

Modifying Enzymes

Quality Control for Modifying Enzymes

Unit definitions

Unit definition varies from enzyme to enzyme and is given in the product description of this catalogue.

Performance Test

Each enzyme is tested for its performance using tests that are mentioned in product description.

Assay for non-specific endonuclease

All modifying enzymes are checked for the absence of non-specific endonuclease activity by incubating excess of the enzyme with supercoiled plasmid DNA for several hours and determining the level of nicking in supercoiled form. The highest number of units producing unaltered pattern is reported on the data sheet supplied with the enzyme.

Assay for exonuclease activity

The absence of exonuclease activity is checked for all the enzymes by incubating the enzyme with lambda substrate for

several hours and running on an agarose gel. The sharp pattern indicates the absence of exonuclease. The highest number of units producing unaltered pattern is reported on the data sheet supplied with the enzyme.

Assay for RNase

The absence of contaminating RNases is tested by incubating total RNA from HeLa cells with excess of enzyme for 4 hours at 37°C and checking for any degradation on gel.

Purification

All modifying enzymes are purified to near homogeneity using the procedures developed at Genei.

Stability

All batches of modifying enzymes are routinely tested for stability by checking unit activity. Most of the enzymes are stable for more than 12 months when stored at -20°C. Exposure to temperatures greater than -20°C should be minimised whenever possible.

T4 DNA Ligase

T4 DNA ligase catalyses the linkage of adjacent 5'-phosphate and 3'-hydroxy ends of double stranded DNA by the formation of phosphodiester bond.

Unit Definition : One cohesive end ligase unit is defined as the amount of enzyme required to give 50% ligation of Lambda/*Hind* III digest in 30 minutes at 16°C in 20 µl of the reaction mixture and a 5' DNA termini concentration of 0.12 µM.

Relation to other Ligase Units : One cohesive end Ligase unit approximately equals 0.015 ATP-PP exchange unit (Weiss Unit).

Storage Buffer : 10 mM Tris-HCl (pH 7.5), 0.1 mM EDTA, 50 mM KCl, 1 mM DTT, 50% Glycerol and 200 µg/ml Nuclease free BSA.

Storage : -20°C

Note :

T4 DNA Ligase is supplied with 1 vial each of Cohesive & Blunt end Buffer.

For Buffer Composition refer Buffer Set for Ligation given on page no C14.

Application : This enzyme seals nicks in double stranded DNA and covalently joins DNA fragments with cohesive ends or blunt ends. This enzyme does not act on single stranded DNA.

Performance Test :

1. T4 DNA Ligase is routinely used in-house for quality control checks of all our cohesive and blunt end generating restriction enzymes. It is also used in the Blue-White standard assay.
2. Enzyme is tested for its performance in cloning experiments.

Blunt End Ligation

Ligation of λ Hae III blunt ended fragments using 1 µl of T4 DNA ligase at 22°C at different time points from 0-60 minutes.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611100100021730	MME1S	T4 DNA Ligase (8000 U)	2200
611100100041730	MME1L	T4 DNA Ligase (40000 U)	5700
611160100021730	MME1HC	T4 DNA Ligase (High Conc.) (100000 U)	12080

INSTANT Ligation Kit

The INSTANT Ligation Kit is specially designed for efficient ligation of both cohesive and blunt ended DNA fragments in just 5 minutes at room temperature (25°C). The kit consists of INSTANT T4 DNA ligase and 2X INSTANT ligation buffer that significantly speeds up the process of ligation compared to overnight incubation. The ligated products can be directly used for transformation without any further purification steps.

This kit is supplied with reagents sufficient to perform 20 reactions.

Application :

- Circularization of linear DNA
- Cloning DNA fragments into vector
- Construction of genomic library
- TA Cloning

Highlights :

- Ligation of both blunt and cohesive ends using same buffer.
- Incubation for just 5 minutes at room temperature (25°C).
- No additional purification steps required prior to transformation.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611660300011730	KT91	Instant Ligation Kit (20 Reactions)	3810

Buffer Set for Ligation

Following Buffers can be ordered from us.

Assay buffers :

Cohesive End Ligation Buffer (1X) : 50 mM Tris-HCl (pH 7.4), 10 mM MgCl₂, 20 mM DTT, 50 µg/ml Nuclease free BSA and 1 mM ATP.

Buffer supplied at 10X concentration.

Blunt End Ligation Buffer (1X) : 50 mM Tris - HCl (pH 7.4), 10 mM MgCl₂, 1 mM DTT, and 1mM ATP, 5% w/u PEG.

Buffer supplied in 5X concentration.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611150300011730	MELB3	Cohesive Et Blunt End Buffer (0.5 ml ea.)	1860
611150400011730	MELB4	Dilution Buffer for T4 DNA Ligase (0.5 ml x 2)	1760

T4 Polynucleotide Kinase

T4 Polynucleotide Kinase catalyses the transfer of gamma phosphate group from ATP to the 5'-hydroxy group of polynucleotides.

Unit Definition : One unit is defined as the amount of enzyme catalysing the production of one nmole of acid insoluble 32P in 30 minutes at 37°C.

Assay Buffer (1X) : 70 mM Tris-HCl (pH 7.6), 10 mM MgCl₂ and 5 mM DTT.

Buffer supplied at 10X concentration.

Storage Buffer : 10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1 mM DTT, 50 mM KCl, 50% Glycerol and 200 µg/ml Nuclease free BSA.

Application : T4 Polynucleotide Kinase is very useful in the 5' end labelling of nucleic acids.

Performance Test : Labelling and Kination efficiencies are evaluated.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611100400051730	MME4L	T4 Polynucleotide Kinase 1000 U	5870

Alkaline Phosphatase (Calf Intestinal Phosphatase) (Molecular Biology Grade)

Alkaline phosphatase molecular biology grade catalyzes the removal of 5'-phosphate groups from DNA, RNA and ribo - and deoxyribonucleoside triphosphates.

Unit Definition : One unit is defined as the amount of enzyme that hydrolyses 1 µmole of p-nitrophenyl phosphate to p-nitrophenol in 1 minute at 37°C in a volume of 1 ml.

Assay buffer (1X) : 50 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM MgCl₂ and 1 mM DTT.

Buffer Supplied at 10X concentration.

Storage buffer : 50 mM KCl, 10 mM Tris-HCl (pH 8.2), 1 mM MgCl₂, 0.1 mM ZnCl₂ and 50% glycerol.

Application : CIP is used to dephosphorylate vectors in cloning experiments to prevent vector self ligation and to prepare templates for 5' end labelling.

Performance Test : Dephosphorylation efficiency is evaluated.

Storage : 4°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611100800031730	MME8S	Alkaline Phosphatase (CIP) (Molecular Biology Grade), 200 Units	2450

DNase I (RNase Free)

DNase I (bovine pancreas) is a glycoprotein and double strand specific endonuclease which is made free of RNase activity. It is best suited for specific applications, where maintenance of RNA integrity is critical. The protein requires divalent cations for maximal activity. Supplied in 20mM Tris-HCl (pH 7.6), 1mM DTT, 0.1mg/ml Nuclease Free BSA and 50% (v/v) glycerol.

Unit Definition : One unit is that amount of enzyme causing an increase in absorbance at 260 nm by 0.001 per minute at 25°C and pH 5.0.

Application :

DNase I (RNase free) is used in purification of DNA - free RNA made by *in-vitro* synthesis using SP6 or T7 RNA Polymerase system.

Used for radioactive labelling by nick translation.

Storage : -20°C.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610655600011730	FC56	DNase I (RNase Free) 1000 U	8550

Deoxyribonuclease I

Supplied as white lyophilised powder which dissolves readily at 5 mg/ml in 0.15 M sodium chloride/glass distilled water to give a clear colourless solution. The enzyme loses its activity irreversibly by heat treatment at 80°C for 10 min.

Activity : In the range of 1000 U/mg material (Kunitz).

Unit definition : One unit is that amount of enzyme causing an increase in absorbance at 260 nm by 0.001 per min. at 25°C and pH 5.0.

Storage : -20°C

Application : Deoxyribonuclease I (bovine pancreas) is used to catalyze random degradation of both single and double-stranded DNA producing 5'-P terminal oligonucleotides.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612150280501730	FC28L	Deoxyribo-nuclease I 50 mg	5780

RNase A (Ribonuclease A)

Ribonuclease A (bovine pancreas) supplied as white lyophilized powder which dissolves readily at concentration of 2 mg/ml in analytical grade water to give a clear colourless solution.

Purity : > 70% pure as checked by ion exchange chromatography.

Activity : In the range of 70 - 80 U/mg protein.

Enzyme is not tested for DNase activity.

Unit definition: One unit is that amount of enzyme causing hydrolysis of RNA at a rate such that k (velocity constant) equals unity at 25°C and pH 5.0.

Storage : -20°C

Application :

Used in phage extraction

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612150380501730	FC34S	RNase A 50 mg	2380
612150382501730	FC34L	RNase A 250 mg	8360

RNase A (Ribonuclease A) (DNase Free)

Ribonuclease A (bovine pancreas) is used to hydrolyse RNA during isolation of DNA. Supplied as lyophilized powder which dissolves readily in analytical grade water.

Essentially DNase free and > 95% pure as checked by ion exchange chromatography.

Activity : In the range of 80 - 90 u/mg protein.

Unit definition: One unit is that amount of enzyme causing hydrolysis of RNA at a rate such that k (velocity constant) equals unity at 25°C and pH 5.0.

Storage : -20°C

Application :

- In the isolation of DNA for RNA-free DNA.
- As a molecular weight marker.

Performance Test : Efficiency tested in plasmid preparation by alkali lysis.

DNase is not detected.

Absence of DNase contamination : Varying units of RNase A (DNase Free) is incubated with 1 µg of substrate DNA at the recommended assay conditions in 50 µl reaction volume for 4 hours. A sharp unaltered banding pattern is an indication of the purity of RNase A (DNase Free) free from detectable non-specific nucleases.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612150480101730	FC25S	RNase A (DNase Free) 10 mg	1510
612150480501730	FC25L	RNase A (DNase Free) 50 mg	4800
612150481001730	FC25J	RNase A (DNase Free) 100 mg	8020

Human Placental RNase Inhibitor

Human Placental RNase Inhibitor is an acidic protein of molecular weight near 50 Kda. It forms 1:1 complex with RNase A and is a noncompetitive inhibitor of this enzyme. RNase Inhibitor is active over a broad pH range and requires DTT for its activity.

Unit definition : One unit is defined as the amount of RNase Inhibitor required to inhibit the activity of 5 ng of RNase A by 50%.

Storage buffer : 20 mM Hepes-KOH (pH 7.6), 50 mM KCl, 5 mM DTT and 50% glycerol.

Application : RNase Inhibitor is used to protect the mRNA in cDNA synthesis, in *in vitro* transcription /translation system and *in vitro* RNA synthesis.

Note : 5 mM DTT concentration is critical for RNase Inhibitor and so has to be maintained during long and repeated uses.

Storage : -20°C

Performance Test : Used extensively in our lab for *in vitro* transcription assays and RT-PCRs.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611101100011730	FC11	Human Placental RNase inhibitor 1000 U	5800

Recombinant RNase Inhibitor

Recombinant RNase Inhibitor is the recombinant form of Human Placental RNase Inhibitor. The complete ORF of the gene is cloned and expressed in *E.coli*, hence retaining identical properties and performance of its native form. This Product can be used for the same applications as those from the native form of the protein.

Unit definition : One unit is defined as the amount of RNase Inhibitor required to inhibit the activity of 5 ng of RNase A by 50%.

Storage buffer : 20 mM HEPES-KOH (pH 7.6), 50 mM KCl, 5 mM DTT and 50% glycerol.

Application : RNase Inhibitor is used to protect the mRNA in cDNA synthesis, in *in vitro* transcription /translation system and *in vitro* RNA synthesis.

Note : 5 mM DTT concentration is critical for RNase Inhibitor and so has to be maintained during long and repeated uses.

Storage : -20°C

Performance Test : Used extensively in our lab for *in vitro* transcription assays and RT-PCRs.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611101200011730	FC73S	Recombinant RNase inhibitor, 1000 Units	3940

Products for PCR

Polymerase Chain Reaction (PCR) is an effective tool to synthesize defined sequences of DNA using thermostable polymerases. PCR exploits the inherent stability of these enzymes at high temperatures to amplify about a million copies of desired DNA fragment using two specific oligonucleotide primers that anneal to opposite strands flanking the target DNA sequence to be amplified.

PCR is now widely used in cloning and sequencing DNA fragments, as a diagnostic tool and to generate labelled probes. To cater to these varied applications, Genei has a range of PCR enzymes, buffers, kits and optimized protocols.

Taq DNA Polymerase : Taq DNA Polymerase, a thermostable enzyme used in most routine PCR amplifications for sizes ranging from 100 bp to 3 Kb, is a highly pure enzyme that lacks 3'-5' exonuclease (proof reading) activity. The enzyme can also be used in applications like RAPD, RFLP and AFLP studies to detect variations within the genomes of species.

HotStart Taq DNA Polymerase : HotStart Taq DNA Polymerase, used for improved PCR specificity, is an optimized mixture of highly purified Taq DNA Polymerase with high affinity anti-Taq monoclonal antibody that inhibits polymerase activity at sub optimal temperatures by binding to Taq DNA Polymerase.

Effi-Taq™ DNA Polymerase : Effi-Taq™ DNA Polymerase a modified form of Taq DNA Polymerase is supplied in an inactive state that has no polymerase activity at ambient temperature. It is suitable for PCR systems with complex genomic templates, complex cDNA templates (RT-PCR), very low copy targets, multiple primers reaction (Multiplex PCR), high throughput PCR procedures and systems that are prone to form Primer Dimer.

PR Polymerase : PR Polymerase, used in PCR reactions that require high fidelity synthesis, is a thermostable enzyme that exhibits strong ProofReading activity. The 3'-5' exonuclease mediated proofreading activity enables the enzyme to repair mis-incorporated nucleotides and reduce errors during polymerisation. This enzyme is ideal for high fidelity amplifications of short stretches of target DNA (< 1.5 kb).

An improved and more defined range of long PCR enzymes with higher fidelity is now made available to the scientists. For higher sensitivity and better yield, we have two sets of long PCR enzyme systems.

XT-5 PCR System : XT-5 PCR System, a unique enzyme blend that utilizes the powerful processivity of Taq DNA polymerase and the ProofReading activity of PR polymerase. This system is particularly useful for amplifications of long target DNA from genomic DNA templates (guaranteed upto 5kb).

XT-20 PCR System : XT-20 PCR System, a unique enzyme mix optimised for amplification of longer target DNA (guaranteed upto 20 kb) from genomic DNA templates.

Quality Control tests for Thermostable Polymerases.

Unit Definition :

One unit is defined as the amount of enzyme which incorporates 10 nanomoles of total deoxyribo-nucleoside triphosphates into acid precipitable DNA in 30 minutes at 72°C under optimal assay conditions.

Assay for non-specific endonuclease :

1 µg of supercoiled DNA incubated with excess enzyme at 37°C and 72°C for 16 hours showed no relaxation of supercoiled DNA when visualised on a 1% agarose gel.

Assay for exonuclease activity :

1 µg of lambda DNA digest incubated with excess enzyme at 37°C and 72°C for 16 hours showed no alteration in banding pattern when visualised on a 1% agarose gel.

Performance test :

Performance tested as mentioned in product description of each enzyme.

Purification :

All thermostable polymerases are purified to near homogeneity using procedures developed in-house.

Thermostability :

Taq DNA polymerase and PR polymerase are highly thermostable enzymes. They retain >90% activity even after prolonged incubation (1 hour) at 94°C.

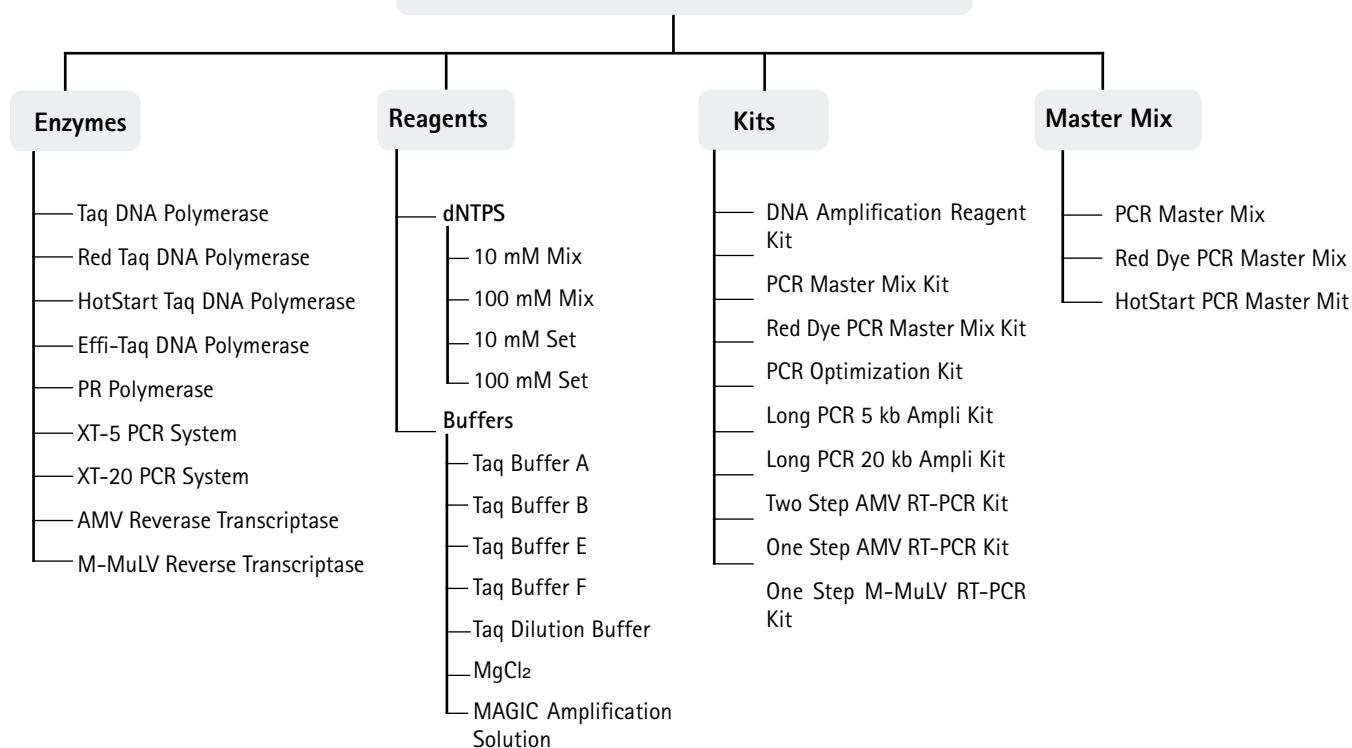
Stability :

All batches of thermostable polymerases are periodically tested for activity and are found to be stable for more than 12 months when stored at -20°C. Exposure to temperature greater than -20°C should be minimised.

Patents/Disclaimer :

Some products/processes mentioned in this catalogue may be covered by patents issued and applicable in certain countries for certain periods. Because purchase of our products does not include a licence to perform patented applications (in these countries) users have to ensure that they have the necessary licence for use.

Products for PCR & RT-PCR



Thermophilic Polymerases Selection Guide :

Product	Product size	Yield	Specificity	Fidelity	3'-A over hang	Ease	GC rich templates	Application
Taq DNA Polymerase	Upto3kb	●	●	●	●●	●	●	Routine PCR RAPD RT-PCR
PCR Master Mix	Upto3kb	●	●	●	●●	●●	●	Colony PCR High through Put PCR
Red Taq DNA Polymerase	Upto3kb	●	●	●	●●	●●	●	PCR based Diagnosis Multiplex PCR
Red Dye PCR Master Mix	Upto3kb	●	●	●	●●	●●●	●	Note: Taqpol and its variant can be used in all the above mentioned applications, choice is based on the end user requirements for yield, specificity etc..
HotStart Taq DNA Polymerase	Upto3kb	●●●	●●	●	●●	●	●	Hot Start Enzymes are preferred for Sensitive applications
HotStart PCR Master Mix	Upto3kb	●●●	●●	●	●●	●●	●	
Effi-Taq™ DNA Polymerase (Hot Start)	Upto2kb	●●●	●●●	●	●●	●	●	
PR Polymerase	Upto5kb	●	●	●●●	—	●	●	Gene Cloning Long PCR Long RT-PCR
XT-5 Polymerase	Upto 5 kb	●●●	●	●●●	●	●	●	Invitro Mutagenesis XT-PCR systems are preferred for Long PCR
XT-20 Polymerase	Upto 20 kb	●●●	●	●●	●	●	●	

● Good

●● Better

●●● Best

● To be supplemented with MAGIC Amplification Solution

Ordering Information :

THERMOPHILIC POLYMERASES

Taq DNA Polymerase

(Supplied with 10X Buffer containing Gelatin and 15 mM MgCl₂)

Cat No.	Pl. No.	Product	Unit Price ₹
610601600031730	MME5L	Taq DNA Polymerase (3 U/μl) 250 U (Includes Enzyme: 1 vial; 10X Taq Buffer A: 1 vial) 250 U	2290
610601600051730	MME5J	Taq DNA Polymerase (3 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer A: 4 vials) 1000 U	4350
610601600061730	MME5B	Taq DNA Polymerase, 2 x 2500 U (3 U/μl) (Includes Enzyme: 2 vial; 10X Taq Buffer A: 7 bottles x 3 ml), 5000 U	210000
610602300051730	MME23L	Taq DNA Polymerase (5 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer A: 4 vials) 1000 U	4350
610602300061730	MME23B	Taq DNA Polymerase, 2 x 2500 U (5 U/μl) (Includes Enzyme: 2 vials; 10X Taq Buffer A: 7 bottles x 3 ml), 5000 U	21000
610602400051730	MME24L	Taq DNA Polymerase (1 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer A: 4 vials) 1000 U	4350
Taq DNA Polymerase (Supplied with 10X Buffer containing Gelatin, separate vial of 25 mM MgCl ₂)			
610602500051730	MME25J	Taq DNA Polymerase (3 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer B: 4 vials; 25 mM MgCl ₂ : 4 vials) 1000 U	4350
610602500051730	MME25B	Taq DNA Polymerase, 2 x 2500 U (3 U/μl) (Includes Enzyme: 2 vials; 10X Taq Buffer B: 7 bottles x 3 ml; 25 mM MgCl ₂ : 7 bottles x 3 ml), 5000 U	4250
610602700051730	MME27L	Taq DNA Polymerase (5 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer B: 4 vial; 25 mM MgCl ₂ : 4 vials) 1000 U	4350
610602700061730	MME27B	Taq DNA Polymerase, 1 x 1000 U (5 U/μl) (Includes Enzyme: 4 vials; 10X Taq Buffer B: 14 bottles x 3 ml; 14 bottles of 25 mM MgCl ₂), 50000 U	21000
610602800051730	MME28L	Taq DNA Polymerase (1 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer B: 4 vials; 25 mM MgCl ₂ : 4 vials) 1000 U	4350

Taq DNA Polymerase

(Supplied with 10X Buffer containing TritonX-100 and 15 mM MgCl₂)

Cat No.	Pl. No.	Product	Unit Price ₹
610602900051730	MME29J	Taq DNA Polymerase (3 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer E: 4 vials) 1000 U	4250
610603000051730	MME30L	Taq DNA Polymerase (5 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer E: 4 vials) 1000 U	4250
610603100051730	MME31L	Taq DNA Polymerase (1 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer E: 4 vials) 1000 U	4250
Taq DNA Polymerase (Supplied with 10X Buffer containing TritonX-100, separate vial of 25 mM MgCl ₂)			
610603200051730	MME32J	Taq DNA Polymerase (3 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer F: 4 vials; 25 mM MgCl ₂ : 4 vials) 1000 U	4250
610603300051730	MME33L	Taq DNA Polymerase, 4 x 2500 U (5 U/μl) (Includes Enzyme: 4 vials; 10X Taq Buffer F: 14 bottles x 3 ml; 14 bottles of 25 mM MgCl ₂), 10000 U	4250
610603400051730	MME34L	Taq DNA Polymerase (1 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer F: 4 vials; 25 mM MgCl ₂ : 4 vials) 1000 U	4250

Red Taq DNA Polymerase

(Supplied with 10X Buffer containing Gelatin and 15 mM MgCl₂)

Cat No.	Pl. No.	Product	Unit Price ₹
610603500051730	MME35J	Red Taq DNA Polymerase (1 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer A: 4 vials) 1000 U	6240

Red Taq DNA Polymerase

(Supplied with 10X Buffer containing Gelatin and a separate vial of 25 mM MgCl₂)

610603600051730	MME36J	Red Taq DNA Polymerase (1 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer B: 4 vials; 25 mM MgCl ₂ : 4 vials) 1000 U	6480
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Red Taq DNA Polymerase

(Supplied with 10X Buffer containing TritonX-100 and 15 mM MgCl₂)

610603700051730	MME37J	Red Taq DNA Polymerase (1 U/μl) (Includes Enzyme: 1 vial; 10X Taq Buffer E: 4 vials) 1000 U	8930
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Taq DNA Polymerase

Taq DNA Polymerase is a 94 KD thermostable enzyme. Its optimum temperature of activity is between 55°C and 75°C. The enzyme lacks 3' to 5' exonuclease (proof reading) activity but has an inherent 5' to 3' exonuclease activity.

Specification : The enzyme is supplied at concentrations of 1 U/μl, 3 U/μl, 5 U/μl.

Taq DNA Polymerase Buffers : Refer the chart for buffer composition.

Buffer supplied at 10X concentration.

Storage and Dilution buffer :

Tris-HCl (pH 8), KCl, EDTA, DTT, Tween 20, Igepal and Glycerol.

Storage : -20°C

Application :

Amplification of DNA fragments of varied sizes ranging from about 100 bp to 3kb by polymerase chain reaction.

The enzyme can be used in RAPD studies to detect polymorphism in several species.

Taq DNA Polymerase can be supplied with :

10X buffer containing 15 mM MgCl₂ or

10X buffer and separate vial of 25 mM MgCl₂

Note : Concentration of the components of the buffer are proprietary.

Taq DNA Polymerase Buffers

Buffer	Conc.	10X Buffer Composition
Taq Buffer A	10X	Tris (pH9.0) KCl 15 mM MgCl ₂ Gelatin
Taq Buffer B	10X	Tris (pH9.0) KCl Gelatin
Taq Buffer E	10X	Tris (pH 9.0) KCl 15 mM MgCl ₂ TritonX-100
Taq Buffer F	10X	Tris (pH 9.0) KCl TritonX-100

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610653100011730	METB1S	Taq Buffer A 1 ml	1160
610653200011730	METB2S	Taq Buffer B 1 ml	1160
610653300011730	METB13	Taq Buffer E 1 ml	1200
610653400011730	METB14	Taq Buffer F 1 ml	1270

PCR Master Mix (2X)

PCR Master Mix is Ready To Use reagent formulation in 2X concentration ideal for instant and efficient amplification. The Master mix combines Genei's Taq DNA Polymerase, dNTPs and an optimum reaction buffer, This ready to use mix provides robust and reliable performance for routine PCR applications.

Storage : -20°C

Highlights :

- Easy to use.
- Reduced experimental variabilities.
- Minimal risk of contamination.
- Consistent results.
- Saves reaction setup time.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610602200031730	MME22	Master Mix (2X) (without 100 bp DNA Ladder) (5 x 100 reactions)	10500
610602200051730	MME22L	Master Mix (2X) (without 100 bp DNA Ladder) (20 x 100 reactions)	31500

PCR Master Mix Kit (2X)

This kit consists of all the reagents required to perform 50 standard PCR reactions.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610667700041730	KT77	PCR Master Mix Kit (2X) (with 100 bp DNA Ladder) (100 reactions)	6200

DNA Amplification Reagent Kit (with marker) 100 reactions

DNA Amplification Kit contains all essential reagents packed for 50/100 individual reactions. The reagents supplied are of highest quality and are guaranteed to perform DNA amplification. Control DNA included with suitable primers to perform 20 tests.

Application :

- Polymerase chain reaction or PCR is an effective tool to synthesise large quantities of defined sequences of DNA using Taq DNA Polymerase, dNTPs, two oligonucleotide primers that hybridize to opposite strands and flank the target DNA sequence to be amplified.
- Using this kit one can amplify target DNA of varied sizes ranging from 100 bp to 3 kb.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610660300051730	KT03	DNA Amplification Reagent Kit (with marker) 100 reactions	13910
610660500011730	KT03I	DNA Amplification Kit (with marker) 50 reactions	7980

DNA Amplification Core Kit (with marker) 100 reactions

DNA Amplification Core kit contains all essential reagents packed for 100 individual reactions. This kit does not have the control DNA and primers which are supplied with DNA Amplification Reagent kit.

Cat # 610660400051730 Control DNA and Primers are not supplied with this kit.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610660400051730	KT03C	DNA Amplification Core Kit (with marker) 100 reactions	10500

Red Dye PCR Master Mix (2X)

Red Dye PCR Master Mix is Ready To Use reagent formulation in 2X concentration ideal for instant and efficient amplification. The Red Dye PCR Master Mix combines Genei's Red Taq DNA Polymerase (consist of unique inert red dye), dNTPs and an optimum reaction buffer. After amplification, the product can be directly loaded onto agarose gel without the addition of gel loading dye. This ready to use mix provides robust and reliable performance for routine PCR applications.

Storage : -20°C

Highlights :

- Easy to use.
- Product can be directly loaded on to gel.
- Reduced experimental variabilities.
- Minimal risk of contamination.
- Consistent results.
- Saves reaction setup time.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610602100031730	MME21	Red Dye PCR Master Mix (2X) (5 x 100 reactions)	10400
610602100051730	MME21L	Red Dye PCR Master Mix (2X) (2000 reactions)	32700

Red Dye PCR Master Mix Kit (2X)

This kit consists of all the reagents required to perform 50 standard PCR reactions.

Storage : -20°C

Materials Provided :

- 5 vials of Red Dye PCR Master Mix(2X)
- Sterile water
- StepUp™ 100bp DNA ladder (Ready to use)

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610667800041730	KT78	Red Dye PCR Master Mix Kit (5 x 20 reactions)	6320

HotStart Taq DNA Polymerase

Most thermophilic polymerases exhibit significant polymerase activity even at ambient temperatures resulting in low sensitivity and non-specificity leading to misinterpretation of results specifically in clinical applications. This can be avoided by adding enzyme after the initial denaturation (Manual Hot Start). Hence there has been a clear trend towards the use of Thermostable Polymerases that remain inactive at lower temperatures (below 50°C).

HotStart Taq DNA Polymerase is an optimized mixture of highly purified Taq DNA Polymerase with high affinity anti-Taq monoclonal antibody that inhibits polymerase activity by binding to Taq DNA Polymerase. The enzyme remains inactive until the reaction mixture reaches higher temperature. Complete activation is restored after the initial denaturation step at 94°C for 2-5 minutes, thereby providing an automatic "Hot start" for Taq DNA Polymerase.

Performance Test:

- Hotstart Taq DNA Polymerase is tested extensively for its reproducible performance in critical PCR amplifications and in Reverse Transcription-PCR.
- Enzyme is tested for amplification of 131 bp fragment of TNF gene and 400 bp fragment of β -globin gene from human genomic DNA using non-optimal primers.
- Enzyme is tested for detecting different subtypes of Human Papilloma virus (HPV) using consensus primers.

Storage : -20°C

Application :

- Enhancement of specificity and sensitivity in the detection of low copy number templates in complex DNA background.
- For Use in diagnostic labs to detect both infectious and genetic disorders by DNA based diagnosis.
- Variations in setup time does not affect the final product in Highthroughput PCR.

Highlights :

- Highly specific
- Low background
- Higher yields
- Easy to use
- Saves time and effort
- Variation in set up time do not affect reproducibility
- Overcomes limitation of manual hot start

HotStart Taq DNA Polymerase Assay buffer (1X) :

Tris-HCl (pH 9.0), KCl, 1.5mM MgCl₂ and Gelatin.

Storage and Dilution buffer :

Tris-HCl (pH 8.0), KCl, EDTA, DTT, Tween 20, Igepal and Glycerol.

Specification : The enzyme is supplied at a concentration of 3 U/μl and 1 U/μl.

With every order of HotStart Taq DNA Polymerase we supply

(a) 10X Assay buffer

(b) 25 mM MgCl₂

Note : Concentration components of the buffer are proprietary.

Ordering Information :

HotStart Taq DNA Polymerase (Supplied with 10X Buffer containing Gelatin and 15 mM MgCl ₂)			
Cat No.	Pl. No.	Product	Unit Price ₹
610602000031730	MME20L	HotStart Taq DNA Polymerase (3 U/μl) 250 U (Includes Enzyme: 1 vial; 10X Taq Buffer A: 1 vial)	6300
610602000051730	MME20J	HotStart Taq DNA Polymerase (3 U/μl) 1000 U (Includes Enzyme: 1 vial; 10X Taq Buffer A: 4 vials)	24260
HotStart Taq DNA Polymerase (Supplied with 10X Buffer containing Gelatin and a separate vial of 25 mM MgCl ₂)			
610604000051730	MME40J	HotStart Taq DNA Polymerase (3 U/μl) 1000 U (Includes Enzyme: 1 vial; 10X Taq Buffer B: 4 vials; 25 mM MgCl ₂ : 4 vials)	24260

HotStart PCR Master Mix (2X)

HotStart PCR Master Mix (2X) is ready to use reagent formulation at 2X concentration for performing Hot Start PCR. The Master mix combines HotStart Taq DNA Polymerase, nucleotides and an optimum reaction buffer. This ready to use mix provides robust and reliable performance for demanding PCR applications in which high specificity and sensitivity are desired.

Performance Test :

HotStart PCR Master Mix (2X) is tested extensively for its reproducible performance in critical PCR amplifications.

Enzyme is tested for amplification of 131 bp fragment of TNF gene and 400 bp fragment of β-globin gene from human genomic DNA using non-optimal primers.

Enzyme is tested for detecting different subtypes of Human Papilloma virus (HPV) using consensus primers.

Highlights :

- Hot Start format.
- Higher sensitivity and specificity.
- Reduced experimental variabilities.
- Ideal for high throughput PCR.
- Minimal risk of contamination.
- Highly consistent results.
- Room temperature reaction assembly.
- Saves reaction setup time.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610604200011730	MME42S	HotStart PCR Master Mix (2X) (1 X 50 reactions)	5290
610604200031730	MME42L	HotStart PCR Master Mix (2X) (5 X 50 reactions)	17990

PR Polymerase

PR Polymerase is a thermostable, DNA-dependent, DNA polymerase that exhibits robust Proof Reading activity. The enzyme exhibits optimum polymerization activity at 72°C in presence of Mg²⁺ ions. The 3' to 5' exonuclease mediated proof reading activity enables the enzyme to proofread mis-incorporated nucleotides and reduce errors during polymerization.

PR Polymerase is the enzyme of choice for high fidelity DNA synthesis. It can be efficiently utilized for high fidelity PCR amplification of DNA fragments to be used for gene cloning, site-directed mutagenesis and other genetic manipulations.

Assay Buffer (1X): Tris-HCl (pH 8.8), (NH₄)₂ SO₄, KCl, 2mM MgSO₄, Triton X 100 and Nuclease free BSA.

Specification:

Enzyme is supplied at a concentration of 3 U/μl. With every order of PR Polymerase we supply:

PR Polymerase 3U/μl

10X PR polymerase assay buffer: 2 vials

PR Polymerase is recommended for use in PCR and primer extension reaction that require high fidelity. The product can be efficiently used for :

- Gene cloning
- DNA expression
- Mutation analysis and
- Other genetic manipulations.

Note: Concentration of the components of the buffer are proprietary.

Performance Test:

PR Polymerase is tested extensively for PCR amplifications of specific DNA fragments using human genomic DNA and λ DNA as templates. The conditions need to be optimized for each individual system. It is observed that for products <1.5kb, 0.5 to 1.5 units of enzyme in a 50 μl reaction mix yields a single, specific band of interest. For products >1.5kb, optimization is required.

Storage: -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610601700031730	MME17M	PR Polymerase, 250 U, (Enzyme 3U/μl: 1 vial; 10X PR Polymerase Assay Buffer: 1 vial)	8400

XT-5 PCR System

XT-5 PCR System is useful to amplify upto 5 kb target DNA from genomic DNA templates. A well-defined ratio of enzymes along with a set of highly optimized buffer systems (Assay buffers 5A and 5B) ensures specific PCR products. Assay buffer 5A is used for obtaining highly specific target DNA with suboptimal yield while assay buffer 5B is best utilized for higher yields.

XT-Polymerase buffer 5A : (1X)

TAPS (pH 8.8), KCl, 1.75mM MgCl₂ and Gelatin.

XT-Polymerase buffer 5B : (1X)

Tris (pH 9.1), (NH₄)₂SO₄, 1.5mM MgCl₂.

Buffers supplied at 10X concentration.

Specification :

Enzyme is supplied at a concentration of 3U/μl. With every order of XT-5 PCR system we supply:

- Enzyme: 1 vial
- 10X assay buffer 5A: 1 vial
- 10X assay buffer 5B: 1 vial

Application :

- Useful for high efficiency PCR amplifications. The products obtained can be used for gene cloning and other genetic manipulations.
- Ensures higher yields of the amplified product with improved fidelity.

Note: Concentration of the components of the buffer are proprietary.

Performance Test :

XT-5 PCR system is tested for PCR amplifications of fragment sizes - 1.5 kb to 8.0 kb using both human genomic DNA and lambda DNA as templates. Sequence specific primers were used for amplifications.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610601800031730	MME18L	XT-5 PCR system 250 U, (Enzyme: 1 vial; 10X Assay Buffer 5A: 1 vial; 10X Assay Buffer 5B: 1 vial) 1 EA	3680
610601800051730	MME18J	XT-5 PCR system 1000 U, (Enzyme: 1 vial; 10X Assay Buffer 5A: 2 vial; 10X Assay Buffer 5B: 2 vial)	11550

XT-20 PCR System

XT-20 PCR system is useful in amplifying long target DNA upto 20 kb from genomic DNA templates. A well-defined ratio of enzymes along with a set of highly optimized buffer systems (Assay buffers 20A and 20B) ensures specific PCR products. Assay buffer 20A is optimized for amplifications of 8.0 kb to 12.0 kb target sequences and Assay buffer 20B is optimized for 12.0 kb to 20.0kb amplifications.

XT-Polymerase buffer 20A : (1X)

Tris (pH 9.1), (NH₄)₂SO₄, 2 mM MgCl₂.

XT-Polymerase buffer 20B : (1X)

Tris (pH 9.1), (NH₄)₂SO₄, 2.75 mM MgCl₂.

Buffers supplied at 10X concentration.

Specification :

Enzyme is supplied at a concentration of 3 U/μl. With every order of XT-20 PCR system :

For MME19S and MME19L (Enzyme : 1 vial, 10X assay buffer 20A: 1 vial, 10X assay buffer 20B: 1 vial)

For MME19J (Enzyme : 1 vial, 10X assay buffer: 2 vials, 10X assay buffer 20B: 2 vials)

Application :

XT-20 PCR system is useful for amplifying long targets of genomic DNA up to 20.0kb.

- Can be successfully used for mapping and sequencing genomes and for analyzing eukaryotic genes.
- Can be used in diagnosis of human disease genes that often exceed a length of 10.0 kb.

Note : Concentration of the components of the buffer are proprietary.

Performance Test :

XT-20 PCR system is tested for PCR amplifications of fragment sizes - 8.0 kb to 25.0 kb, using both human genomic DNA and lambda DNA as templates. Sequence specific primers were used for amplifications.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610601900031730	MME19L	XT-20 PCR system 250 U, (Enzyme: 1 vial; 10X Assay Buffer 20A: 1 vial; 10X Assay Buffer 20B: 1 vial)	3820
610601900051730	MME19J	XT-20 PCR system 1000 U, (Enzyme: 1 vial; 10X Assay Buffer 20A: 1 vial; 10X Assay Buffer 20B: 2 vial)	12100

Long PCR 20kb Ampli Kit

Long PCR 20 kb Ampli kit is ideal for amplifications of longer target DNA fragments, upto 20kb, from genomic DNA templates using sequence specific primers. The kit provides all essential reagents to perform 50 individual reactions. Control DNA and sequence specific primers are included to perform 10 control reactions.

- XT-20 PCR system is a unique enzyme mix that combines the powerful 5'-3' polymerase activity of Taq DNA polymerase and the 3'-5' exonuclease mediated proofreading activity of PR polymerase, resulting in high fidelity PCR products.
- Highly optimised buffer systems (XT-Polymerase buffers 20A and 20B) guarantee better performance.
- Human genomic DNA with sequence specific primers to amplify 15.0 kb DNA fragment of tPA gene for 10 control amplification reactions are provided.

Application :

- Useful for mapping and sequencing genomes and analyzing eukaryotic genes.
- Can be used in diagnosis of human disease genes that often exceed a length of 10.0 kb.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610667600011730	KT76	Long PCR 20 kb Ampli Kit (50 reactions)	9240

RAPD Primer Sets

RAPD (Random Amplified Polymorphic DNA) is a polymorphism assay which is based on the amplification of random DNA segments using sets of primers of arbitrary nucleotide sequence. In theory, the primer anneals to many regions of the genome simultaneously. However, geometric amplification only occurs in those regions in which the 3' end of the annealed primers face one another on opposite strands and are no more than 3 Kb apart. Thus, the technique essentially scans a genome for these small inverted repeats and amplifies intervening DNA sequences of variable length.

The RAPD Primer Set is designed for different organisms. There are five different primer sets available for bacteria, fungi, plants, animals and humans. It enables the user to choose the appropriate primer set for fingerprinting.

Ordering Information :

Cat No.	Pl. No.	Product	Primers(no)	O.D (μg)	Unit Price ₹
610692100251730	RBa-D	Bacterial Primer Set - Full	25	99	35840
610692300251730	RFu-D	Fungal Primer Set - Full	25	99	35840
610692800251730	RPi-D	Plant Primer Set - Full	25	99	35840

AFLP Primer Set for Small and Large Genomes

The Amplified Fragment Length Polymorphism (AFLP) technique is one of a number of DNA fingerprinting procedures that takes advantage of the polymerase chain reaction (PCR) to amplify a limited set of DNA fragments from a specific DNA sample (Vos et al. 1995; Blears et al 1998). AFLP's are quickly becoming the tool of choice for many applications and organisms. Potential applications include screening DNA markers linked to genetic traits, parentage analysis, forensic genotyping, diagnostic markers for pathogen borne diseases, and population genetics. Since the AFLP technique can be applied to a wide variety of organisms with no prior sequence information this technique has the potential to become a universal DNA fingerprinting tool.

Product information: The AFLP primer set for small and large genomes provides sufficient primers for 100 reactions.

Highlights :

- Adapters, Pre-selective and selective primers supplied for conducting AFLP experiment.
- Does not include other PCR consumables which are readily available.
- Excellent resolution obtained as checked against wide range of organisms with small genome sizes like various bacteria (both gram positive and gram negative), fungi, yeast etc.

Storage : -20°C

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
610694200011730	APS100	AFLP Primer Set for Small Genomes	58650
610694100011730	APL100	AFLP Primer Set for Large Genomes	61410

PCR KlenZol™

PCR KlenZol™ provides a single step, fast and efficient method for purification of amplified PCR products post amplification. This is a simple and effective means of removing the contaminants in an amplified product which in turn hamper the downstream processing of the amplified product. It is solution based and does not involve any binding to membranes/beads,

thus reducing the chances of loss of amplified product during the purification step. PCR KlenZol™ uses specialized additives which selectively adsorb DNA thus removing the leftover primer, primer dimer, dNTPs, salts, enzyme and mineral oil.

Product Description : PCR KlenZol™ (2X) provides 5 ml of solution.

Recommended Use : 1X

Storage : Store the solution at Room Temperature

Highlights:

- Single step, effective and simple protocol for clean up of amplified product.
- 80 to 90% recovery of amplified product.
- Only solution based and does not involve columns or beads, which makes it easy to scale up.
- Volume of solution to be used is equal to the amount of amplified product.
- Purified product is ready for down processing like cloning, restriction analysis, sequencing.
- Can be used for product volume of 10 - 100 μl.
- Primer-dimer removal - effectively removes primer-dimer (>90%) for PCR product size ranging between 300-5000 bp.
- Effectively removes contaminants from amplified products ranging in size from 100-5000 bp.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612107180051730	FC71	PCR KlenZol™ 5*1ml), 5ml	15900

dNTP Solutions (Adjusted to Neutral pH)

Deoxynucleoside triphosphates are supplied as sodium salt solutions.

Application : Routinely used for

- DNA sequencing
- Labelling and
- PCR techniques

All dNTP solutions supplied in 10 mM or 100 mM concentration.

Storage : -20°C

Ordering Information :

Cat No.	Pl. No.	Product	Unit Price ₹
dNTP Mix			
610652300031730	FC23J	dNTP Mix, 10 mM (2.5 mM each) (1000 µl)	4680
610652400021730	FC24L	dNTP Mix, 10 mM (2.5 mM each) (4 x 200 µl)	3430
610652400041730	FC24J	dNTP Mix, 10 mM (2.5 mM each) (4 x 1000 µl)	11440
610652200011730	FC23HL	dNTP Mix, 100 mM (25 mM each) (100 µl)	3890
dNTP Set			
610651200011730	FC10	dNTP Set, 10 mM (4 x 100 µl)	2100
610651200031730	FC10J	dNTP Set, 10 mM (4 x 500 µl)	5250
610651300021730	FC13L	dNTP Set, 10 mM [5 (4 x 200 µl)] (20 vials)	11600
610651000031730	FC10HJ	dNTP Set, 100 mM (4 x 250 µl)	9180
dNTP Solutions			
610650600011730	FC6HL	dATP, 100 mM (100 µl)	2940
610650700011730	FC7HL	dGTP, 100 mM (100 µl)	2940
610650800011730	FC8HL	dTTP, 100 mM (100 µl)	2940
610650900011730	FC9HL	dCTP, 100 mM (100 µl)	2940

Mineral Oil

Light White Oil

Used in high temperature reactions to protect sample from evaporation eg. PCR reactions.

Does not contain stabilizer.

Storage : Room temperature.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
613601281001730	FC21L	Mineral Oil 100 ml	5090

DNA Diagnosis & Reagents White Spot Syndrome Virus (WSSV) Detection Kit (Nested PCR method)

White Spot Syndrome Virus (WSSV) has caused mass mortalities and devastating production losses to shrimp farming in many countries. It is now evident that infected seed is a common source of WSSV infection in shrimp ponds and that PCR screening of seed can significantly reduce the risk of crop failure.

Conventional diagnosis fails to detect early stages of infection. WSSV detection kit, based on Nested PCR method is a sensitive and specific diagnostic tool that can detect infection even at a very early stage.

Highlights :

- Follows nested PCR principle - High sensitivity and specificity of virus detection.
- Detects up to 2 viral particles.
- Fast and simple DNA extraction protocol.
- Convenient aliquots of reagents - Reduced chances of contamination.
- Sterile disposable grinders for sample processing.
- The entire procedure can be completed within 4 hours.

Ordering Information :

Cat No.	Pl. No.	Product	Unit Price ₹
610680400011730	WSSV25	WSSV Detection Kit (for 25 Tests)	13050
610680500051730	WSSV100A	WSSV Detection Kit (for 100 Tests) with Gel Electrophoresis consumables	37070

Single Tube WSSV Detection Kit (Single Tube Nested PCR)

Single Tube Nested PCR Kit for White Spot Syndrome Virus (WSSV) detection is based on innovative single tube nested PCR technique. In this assay both the first and the nested PCR steps are performed within one PCR run in the same reaction vial.

The assay can indicate the degree of severity of infection. The kit can produce up to three PCR products depending on the severity of infection as below :

- Severe Infection ($> 10^5$ viral particles) - produces all 3 fragments (942, 525, & 204 base pairs (bp))
- Moderate Infection ($10^3 - 10^5$ viral particles)- produces 2 fragments (525 & 204 bp)
- Low Infection ($10 - 10^3$ viral particles) - produces 1 fragment (204 bp)

Highlights :

- A single tube nested PCR reaction - Less chances of contamination
- Follows nested PCR principle - High sensitivity and specificity of viral detection
- Distinguishes the degree of severity of infection Severe, Moderate and Low
- Detects up to 10 viral particles in 3.5 to 4 hours
- Fast and simple DNA extraction protocol
- Convenient aliquots of reagents - Ease of work and reduced chances of contamination
- Sterile disposable grinders for easy sample processing

Ordering Information :

Cat No.	Pl. No.	Product	Unit Price ₹
610680300011730	STWSSV50	Single Tube WSSV Detection Kit (50 Tests)	19800

Amplification Reagents Set (for *Mycobacterium tuberculosis*)

Tuberculosis continues to be the leading cause of morbidity and mortality by an infectious disease worldwide. Effective treatment of TB requires the rapid detection of *Mycobacterium tuberculosis*.

This set is based on the principle of single tube nested PCR targeting the IS6110 sequence that is present in multiple copies in the genome of the *Mycobacterium tuberculosis* complex. Studies have shown that highest sensitivity is obtained by using IS6110 nested PCR when compared to PCR targeting other regions.

The diagnosis of TB is made by microscopy and culture. Direct Microscopy lacks sensitivity and specificity. Culture is more sensitive and is still the yardstick for diagnosis, but the time required and frequent negative results in paucibacillary specimens are the limitations. PCR is widely used for the detection of *Mycobacterium tuberculosis* in clinical specimens, because the tests are rapid, sensitive, and specific.

Highlights :

- Detects specifically *Mycobacterium tuberculosis* complex present in samples.
- Based on the principles of nested PCR for increased specificity and sensitivity.
- Uses HotStart Taq DNA Polymerase for increased specificity.
- Carryover contamination prevention by dUTP-UDG system.
- Rapid Spin column based DNA extraction for effective removal of PCR inhibitors from the sample.
- Results obtained in 4 hours.
- Convenient aliquots of reagents to reduce the chances of contamination.
- Internal control DNA provided for the identification of processed specimens containing substances that could inhibit PCR.
- Simulated positive controls included in the set.

Note : For Research use only. Not for diagnostic applications.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610670300011730	MTB25	Amplification Reagents Set for <i>Mycobacterium tuberculosis</i> (for 25 tests)	19320
610670300021730	MTB50	Amplification Reagents Set for <i>Mycobacterium tuberculosis</i> (for 50 tests)	34650

Amplification Reagents Set for Malarial Parasites

(*Plasmodium falciparum* and *Plasmodium vivax*)

Malaria is one of the main health problems worldwide. It is estimated that it affects around 500 million people, of which 2.5 million die per year. Early detection, as well as species identification, is a must for an accurate treatment.

The standard method for detecting plasmodium infection is the microscopic examination of Giemsa-stained thick blood smear. Although this method is effective and inexpensive, but its laborious, time consuming and sensitivity is very less.

Recently, alternative diagnostic method, such as PCR, have been used for the detection and identification of malarial parasites. This assay detects parasites in mixed and low level infection, being more sensitive than conventional methods.

Amplification Reagent Set is based on the principle of nested PCR targeting the 18S small subunit ribosomal RNA (ssrRNA) gene and is used for the identification of *Plasmodium falciparum* and *Plasmodium vivax* species.

Highlights :

- Rapid spin Column based DNA extraction for effective removal of PCR inhibitors from the DNA sample.
- Based on the principle of Nested PCR for increased specificity and sensitivity.
- Results obtained in 5 hrs.
- Convenient aliquots of reagents to reduce the chances of contamination.
- Simulated positive controls included in the set.

Note : For Research use only. Not for diagnostic applications.

Ordering Information :

Cat No.	Pl. No.	Product	Unit Price ₹
610670200011730	MAL25	Amplification Reagents Set for Malarial Parasites, 25 tests	21160

Amplification Reagents Set (for Human Papilloma Virus)

Cancer of the uterine cervix is the most common malignant tumor in women worldwide. Human Papilloma Virus (HPV) has been identified as the 'necessary cause' of cervical cancer. It has been shown from several studies that HPV infection is a good marker for women with cervical neoplasia and precancerous lesion. Women persistently infected with certain "oncogenic" HPV show a high rate of progression of dysplasia to invasive cancer of the cervix. Therefore, in best traditions of medical practice, the clinicians are obligated to seek out the presence of causal agents of the disease, the oncogenic types of HPV. Thus, diagnosis of HPV infection may facilitate early identification of women at increased risk of developing cervical cancer.

This set is based on the amplification of E6 and E7 genes of oncogenic HPVs (HPV-16, 18, 31, 33, 35, 45, 52b and 58) using consensus primers. The E6 and E7 genes are preferentially conserved even when the viral DNA gets integrated into the human chromosome. Thus, the amplification targeting E6 and E7 region is less likely to produce false negative results.

Note : For Research use only. Not for diagnostic applications.

Highlights :

- Detects oncogenic HPV types (E6 & E7) present in samples.
- Based on the principle of Touchdown PCR for increased specificity and sensitivity.
- Uses HotStart Taq DNA Polymerase for increased specificity.
- Rapid spin Column based DNA extraction for effective removal of PCR inhibitors from the DNA sample.
- Results obtained in 5 hrs.
- Convenient aliquots of reagents to reduce the chances of contamination.
- Simulated positive controls included in the set.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610670100011730	HPV25	Amplification Reagents Set for Human Papilloma Virus (25 tests)	14300

AMV Reverse Transcriptase

AMV Reverse Transcriptase is a RNA - dependent DNA polymerase purified from Avian Myeloblastosis virus. The enzyme is used extensively in cDNA synthesis and dideoxy DNA sequencing.

The enzyme possesses several enzymatic activities which include an RNA directed DNA synthesis, a DNA-dependent DNA polymerase, an RNase H activity and an unwinding activity.

Unit definition : One unit of AMV reverse transcriptase is defined as amount of enzyme which incorporates 1 nanomole of (3H) dTMP into an acid insoluble product in 10 minutes at 37°C using poly (A) - oligo (dT) as template - primer.

Assay Buffer : (1X) 50 mM Tris-HCl (pH 8.5), 8 mM MgCl₂, 30 mM KCl and 1mM DTT.

Buffer supplied as 5X concentration.

Storage buffer: 200mM Phosphate Buffer (pH 7.2), 2 mM DTT, 0.2% Triton X-100 and 50% glycerol.

Application : The enzyme is used extensively in cDNA Synthesis.

Performance Test :

Enzyme Tested for its performance in RT-PCR reactions.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610600900021730	MME9L	AMV Reverse Transcriptase 100	4750

M-MuLV Reverse Transcriptase

M-MuLV RT is a RNA dependent DNA polymerase that uses single stranded RNA or DNA as template. It lacks endonuclease activity and has lower RNase H activity.

Unit definition : One unit of M-MuLV reverse transcriptase is defined as amount of enzyme which incorporates 1 nanomole of (3H) dTMP into an acid insoluble product in 10 minutes at 37°C using poly (A) - oligo (dT) as template - primer.

Assay Buffer : (1X) 50mM Tris-HCl (pH 8.5), 8 mM MgCl₂, 30 mM KCl and 1mM DTT.

Buffer supplied in 5X concentration.

Storage Buffer : 20 mM Tris-HCl (pH 7.4), 100 mM NaCl, 1 mM EDTA, 1 mM DTT, 0.1% Igepal and 50% glycerol.

Application : The enzyme is used in cDNA synthesis and dideoxy DNA sequencing.

Performance Test :

Enzyme Tested for its performance in RT-PCR reactions.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610601300051730	ME13S	M-MuLV RT 1000 U	4730
610601300061730	ME13L	M-MuLV RT 5000 U	7520

AMV RT-PCR Kit

The amplification of RNA requires the conversion of RNA substrate to cDNA. This is achieved using AMV Reverse Transcriptase. The cDNA thus generated acts as the template for subsequent PCR amplification.

Two primers are provided for cDNA synthesis :

1. Random Hexamer that binds at non-specific sites along the mRNA template.
2. Oligo (dT)₁₈ primer that binds at the 3'-end of the poly (A) tail of mRNA.

The kit has all components necessary to generate first strand cDNA and subsequent PCR amplification. Enough materials supplied to perform 20 reactions. We have also included control RNA and suitable primers for 4 control experiments.

Storage : -20°C

Application :

- RT-PCR Kit can be effectively used to detect the presence of RNA viruses.
- PCR products generated using this kit can be cloned using standard protocols.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610662400011730	KT24	RT-PCR Kit (20 reactions)	16450
610662400021730	KT24M	RT-PCR Kit (50 reactions)	27500

M-MuLV RT-PCR Kit

M-MuLV RT-PCR Kit uses M-MuLV Reverse Transcriptase enzyme for generating cDNA from RNA substrate. The cDNA thus generated acts as the template for subsequent PCR amplification.

Two primers are provided for cDNA synthesis:

Random Hexamer that binds at non-specific sites along the mRNA template.

Oligo (dT)₁₈ primer that binds at the 3'-end of the poly (A) tail of mRNA.

The kit has all components necessary to generate first strand cDNA and subsequent PCR amplification. Enough materials supplied to perform 20 reactions. We have also included control RNA and suitable primers for 4 control experiments.

Storage : -20°C

Application :

- M-MuLV RT-PCR Kit can be effectively used to detect the presence of RNA viruses.
- PCR products generated using this kit can be cloned using standard protocols.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
610667400011730	KT74	M-MuLV RT-PCR Kit (20 reactions)	11990

One Step RT PCR Kits

One Step RT PCR Kit provides specific, sensitive and easy to use system for the detection and analysis of RNA. By using this convenient one step formulation, one can perform both cDNA synthesis and PCR amplification in a single tube, using gene specific primers and target RNAs from either total RNA or mRNA. The system uses a mixture of Reverse transcriptase, Hotstart Taq DNA Polymerase and a high fidelity enzyme in an optimized (single) reaction buffer.

Applications :

- Analysis of Gene expression
- Detection of rare and viral RNA
- Characterization of RNA specific variants

Highlights :

- Hotstart format for higher sensitivity, specificity and yield.
- Yields product with high fidelity for cloning and sequencing.
- Fast and easy screening of gene expression.
- Lower risk of sample cross contamination aids in simultaneous analysis of multiple samples.
- Reduced reaction variability.
- Less hands on time.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610661600021730	KT116M	One Step AMV RT-PCR kit (25 reactions)	17330
610661700021730	KT117M	One Step M - MuLV RT-PCR kit (25 reactions)	12650
610661700051730	KT117L	One Step M-MuLV RT-PCR kit (100 reactions)	39270

cDNAdirect™ Kit

cDNAdirect™ is an optimized kit for synthesizing first-strand cDNA directly from mammalian cells in culture without first isolating RNA. The resulting first-strand cDNA is ready to be used in cloning, RT-PCR, Real time PCR and other downstream applications. In cDNAdirect™ Kit, cells are first washed with PBS to remove cell culture medium, extracellular and intracellular material released by living, dead and lysed cells. Cells are then incubated with specially designed lysis buffer at 75°C to rupture the cells and inactivate all the endogenous RNases. Following a DNase treatment to degrade the genomic DNA the cell lysate is ready for reverse transcription and PCR by two step method.

Applications:

- RT-PCR
- Real-time PCR
- Microarray
- Differential gene expression analysis

Highlights:

- No RNA isolation or purification required.
- Kit is optimized for synthesizing cDNA from small cell samples.
- Generates high quality cDNA for use in a variety of downstream applications.
- Compatible with wide range of mammalian cell types.
- cDNA synthesized is free of genomic DNA contamination.
- Rapid and simple procedure to recover cDNA in 30 mins.
- Rare transcripts can be detected.
- Simple Protocol.
- Works with embryonic stem cells/lines.
- The kit provides sufficient reagents for 20 reactions.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610667800021730	KT178S	cDNAdirect™ Kit (20 reactions)	13340

pUC18 & pUC19

These are high copy number *E.coli* cloning vectors. They are double stranded circular DNA with 2686 base pairs. They have Ampicillin (Amp) resistance.

Storage : -20°C.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611600270101730	MBV1S	pUC18 10 µg	1840
611600270501730	MBV1L	pUC18 50 µg	4730
611600470501730	MBV2L	pUC19 50 µg	4730

Note : On Agarose gel electrophoresis some amount of multimeric forms are seen.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611600170501730	MBV1CL	pUC18 (Cesium Chloride purified) 50 µg	5880
611600370501730	MBV2CL	pUC19 (Cesium Chloride purified) 50 µg	5880

Note : On Agarose gel electrophoresis more than 80% of supercoiled form is seen.

pBR322

pBR322 is an *E.coli* cloning Vector. It is a double stranded circular DNA which is 4362 base pairs in length. It has Ampicillin (Amp) and Tetracyclin (Tet) resistance.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611600670101730	MBV3S	pBR322 10 µg	1840
611600670501730	MBV3L	pBR322 50 µg	5040

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611600570501730	MBV3CL	pBR322 10 µg, 50 µg (Cesium Chloride purified)	7980

Note : On Agarose gel electrophoresis more than 80% of supercoiled form is seen.

Lambda DNA

Lambda DNA is purified from the phage isolated from the lysogen *E.coli* lambda cl857 Sam 7. The phage is purified by Cesium chloride block gradient. The double stranded DNA has 48,502 base pairs.

Storage : -20°C.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611600770601730	MBV6S	Lambda DNA 60 µg	1510
611600773001730	MBV6L	Lambda DNA 300 µg	4470

INSTANT Cloning Kit for Amplified Products

PCR products amplified with Taq DNA Polymerase carry an additional single 3'-A (in most cases) that poses problem in cloning directly into vector. T - vector with single 3'-T extension at the site of insertion is a simple solution. Since, the ligation involves single base overhang joining, which is more difficult than blunt end joining. INSTANT Cloning Kit contains Instant T4 DNA ligase and 2X Instant ligation buffer to enhance the process significantly: One hour ligation at room temperature (25°C).

The kit is supplied with all the reagents sufficient to perform 10 reactions.

Highlights :

- One hour ligation at room temperature (25°C).
- Amplified product can be ligated directly or after purification to the vector.
- No enzymatic manipulation of product required.
- Blue-white selection marker makes screening easier.
- Insert can be released using Nco I enzyme.
- Sequencing of insert can be done using SP6 and T7 promoter primers.
- 30-60% clones expected depending on the insert size.

Storage : -20°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611660400011730	KT63A	Instant Cloning Kit 1, 10 reactions	7350

Competent Cells Preparation Kit (A)

Kit contains reagents for quick, cost effective preparation of chemically competent cells for transformation of bacteria. The competent cells can be used immediately or stored at -70°C. Typically transformation efficiency is greater than or equal to 10⁵ to 10⁶ transformants per microgram using *E.coli* DH5 α and pUC19 plasmid DNA depending upon the experimental conditions.

Reagents are sufficient to carry out 25 transformations of 100 μ l each of competent cells.

All reagents are supplied in sterile condition.

Storage : 4°C: Competent Cell Preparation Solution & Glycerol).

RT : Media.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611660100011730	KT26	Competent Cells Preparation Kit (A)	4650

Competent Cells Preparation Kit (B)

Kit contains reagents for quick, cost effective preparation of chemically competent cells for transformation of bacteria. The competent cells can be used immediately or stored at -70°C. Typically transformation efficiency is greater than or equal to 5 x 10⁶ to 10⁷ transformants per microgram using *E.coli* DH5 α and pUC19 plasmid DNA depending upon the experimental conditions.

Reagents are sufficient to carry out 50 transformations of 100 μ l each of competent cells.

All reagents are supplied in sterile condition.

Storage : 4°C: Competent Cell Preparation Solution & Glycerol.

RT : Media.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
611660200011730	KT27	Competent Cells Preparation Kit (B)	5820

DNA Sequencing Primers

Merck offers a wide selection of primers that may be used in either single or double - stranded sequencing protocols. All primers are supplied as lyophilized powder.

Purification and Preparation :

- All primers are
- PAGE purified and desalted
- Assayed for function in automated sequencing reactions

Ordering Information :

Cat No.	Pl. No.	Product	Unit Price ₹
610692470071730	RH6	Random Hexamer (6 mer) 7 μ g	1940
610690970071730	dT18	Oligo dT primer pd (T)18 7 μ g	1940

*Primers for use with pBluescript® vectors.

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Calf Thymus DNA

DNA isolated from Calf Thymus supplied in a ready to use form. DNA supplied in 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA.

Storage : -20°C.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
615100680011730	CTS	Calf Thymus DNA 1 mg	1680
615100780041730	CTL	Calf Thymus DNA 4x1 mg	3990

JM101

Features and Applications :

1. JM101 cells carry the F' episome for pili allowing infection by filamentous phage such as M13 and by M13 helper phage for single stranded rescue from phagemid vectors.
2. F' episome also has the lac Iq repressor gene producing 10 fold more lac repressor than is found in most strains, thereby ensuring more stringent repression of toxic proteins.
3. F' episome has the lac Iq Δ m15 mutation which provides the complementation of the β -galactosidase gene.
4. This host allows blue/white colour selection assay for the plaques on plates supplemented with X-GAL and IPTG.
5. Used for the propagation of filamentous phage such as M13 and M13 helper phage for single stranded rescue from phagemid vectors.
6. Used for methylation of plasmid DNA to allow efficient transfer to an *hsdR*⁺ *E.coli* host which is *hsdM*⁺.

Genotype : supE, thi, Δ (lac-pro AB), [F', tra D36, proAB, lac1q Δ M15].

Reference : Yanisch-Perron, C. et al (1985), Gene, 33, 103.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
615101500011730	EC5	E.coli JM101 1 vial	5460

JM109

Features & Applications :

1. JM109 cells carry the F' episome for pili allowing infection by filamentous phage such as M13 and by M13 helper phage for single stranded rescue from phagemid vectors.
2. F' episome also has the lac I^q repressor gene producing 10 fold more lac repressor than is found in most strains thereby ensuring more stringent repression of toxic proteins.
3. F' episome has the I^qZ Δ M15 mutation which provides the complementation of the β-galactosidase gene allowing blue/white selection assay.
4. Insert stability is ensured due to Rec A⁻ status. This strain also lacks the E.coli K restriction system thus preventing restriction of cloned DNA.
5. End A1 mutation ensures quality and improved yield of plasmid DNA.
6. Allows cloning with cleavage of transformed DNA by endogenous restriction endonucleases. DNA prepared from these strains can be used to transform r_k⁺ E.coli strains.

Genotype : end A1, rec A1, gyr A96, thi, hsd R17 (r_k⁻, mk⁺), rel A1, supE44, Δ (lac - pro AB), [F', tra D36, proAB, lac I^q Z Δ M15].

Reference : Yanisch - Perron, C., Viera, J. and Messing) (1985) Gene, 33, 103.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
615101600011730	EC6	E.coli JM109 1vial	5460

Mutagenesis & Labelling Kit InSite PCR-Based Site Directed Mutagenesis Kit

InSite PCR-Based Site Directed Mutagenesis Kit is a fast, easy and efficient PCR based method to introduce point mutations as well as insertion and deletion mutations, an invaluable technique for protein structure-function and other related studies. The protocol involves two steps of PCR reactions, the product of the first PCR being used as primer for second PCR. A PCR primer (supplied) that introduces an unique restriction site, is used for second PCR thus facilitating screening for mutants. Second PCR products are transformed and colonies are tested for unique restriction enzyme digestion. Positive clones are mutants with more than 95% level of confidence.

Application :

- Generate point mutation, insertion and deletion.
- Switch amino acids, delete or insert single or multiple amino acids.

Storage : -20°C

Special Features :

- The mutants are predicted at more than 95% level of confidence.
- High fidelity XT-5 Polymerase ensures the absence of unwanted mutations, essential for protein expression studies.
- Easy detection of mutants by unique restriction enzyme digestion.
- Easy five step protocol.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
610667100021730	KT71	InSite PCR-Based Site Directed Mutagenesis Kit (10 reactions)	8770

DNA INSOLATION KITS SELECTION GUIDE

Sl. No.	Product Name	Starting Material	Yield	Time	Highlights
1	Puresol™ Plasmid Isolation Kit	Plasmid Culture	High Copy: 10–15 µg (1.5 ml culture) Low Copy: 2–5 µg (3 ml culture)	45 min/24 preps	<ul style="list-style-type: none"> Fast and economical Suitable for large scale screening from <i>E.coli</i> Suitable for Restriction digestion, PCR, ligation etc.
2	GeneiPure™ Plasmid Purification Kit		10–15 µg from 1.5–5 ml culture (High Copy) 10–15 µg from 10 ml culture (Low Copy)	50–60 min/12 preps	<ul style="list-style-type: none"> Purify 2–25kb plasmids Up to 80% recovery with >80% supercoiled form No genomic DNA or RNA Sequencing grade plasmid for downstream application like cloning, restriction digestion etc.
3	GeneiUltrapur™ Mini & Midi Purification Kit		15–20 µg from 1–5 ml Culture (High Copy) – Mini 20–100 µg from 5–30 ml Culture (High Copy) – Midi	90 min/6–12 preps	<ul style="list-style-type: none"> Transfection grade plasmid Upto 90% recovery No genomic DNA, no RNA Sequencing grade plasmids for downstream application like cloning, restriction digestion etc.
4	GeneiPure™ Bacterial DNA Purification Kit	Bacterial Culture	10–15 µg from 0.5–1.0 ml (Gram –ve) 8–10 µg from 1–2 ml (Gram+ve)	4 hrs	<ul style="list-style-type: none"> Suitable for purifying up to 5 ml culture High Yield High quality DNA suitable for restriction Digestion, PCR, RAPD etc.
5	GeneiUltrapur™ Bacterial Genomic DNA Purification Kit		10–15 µg from 0.5 ml–1.5 ml (Gram–ve bacteria) 1–2 ml (Gram+ve Bacteria)	3 hrs	<ul style="list-style-type: none"> Suitable for purifying up to 5 ml culture High Yield High quality DNA suitable for restriction Digestion, PCR, RAPD etc.
6	UniFlex™ DNA Isolation kit	Plant Tissue Bacterial Culture Yeast Culture Tissues Fecal matter	The yield varies according to the source: Blood: 8–10 µg Bacteria: 20–30 µg Fecal Matter: 5–6 µg Plant (leaves): 20–30 µg	90 min	<ul style="list-style-type: none"> Fast and economical Suitable for scale up No Columns or beads Purified DNA suitable for PCR, RAPD etc.

DNA INSOLATION KITS SELECTION GUIDE

Sl. No.	Product Name	Starting Material	Yield	Time	Highlights
7	GeneiPure™ Yeast Purification Kit		5-8 µg from 4-5 ml Culture	3 hrs	Unique Lysis Buffer and Lyticase provided for effective lysis
8	GeneiUltrapure™ Yeast Genomic DNA Purification Kit	Yeast Culture	8-10 µg from 10 ml Culture	3 hrs	Unique Lysis Buffer and Lyticase provided for effective lysis
9	GeneiPure™ Plant Purification Kit	Plant & Fungi (Different parts of plant & Seeds)	Rose leaves: 4-6 µg Mango Stem: 3-5 µg Algae: 1.5-2.5 µg Wheat leaves: 5-7 µg Cotton: 3-5 µg Sample size: 100 mg	3 hrs.	<ul style="list-style-type: none"> Fast and Economical Two different Lysis buffer for processing different samples Spin filters included for clarification of Lysate Improved Lysis buffers for high yield and purity from variety of plant species and their parts
10	GeneiUltrapure™ Plant Genomic DNA Purification Kit		Tea leaves: 3-5 µg Papaya 5-7 µg Sample size: 100 mg	2-3 hrs	High quality DNA suitable for restriction Digestion, PCR, RAPD etc.
11	GeneiUltrapure™ Cotton Genomic DNA Purification Kit	From Cotton leaves	Cotton: 3-5 µg	2-3 hrs	High quality DNA suitable for restriction Digestion, PCR, RAPD etc.
12	GeneiPure™ Mammalian DNA Purification Kit	Mammalian tissue (fresh, frozen, burnt or decayed), Insects, Nematodes, Cell lines etc.	Liver: 30-50 µg Heart: 5-10 µg (Mouse) Mouse Tail: 5-7 µg Lung: 5-10 µg (Mouse) Sample size: 10-20 mg of tissue HeLa Cells (1-2x10 ⁶ Cells): 8-9 µg Jurkat Cells (1-2x10 ⁶ Cells): 4-5 µg	2-4 hrs	Fast, economical, suitable for wide variety for tissue samples.High quality DNA suitable for restriction Digestion, PCR, RAPD etc.
13	GeneiUltrapure™ Mammalian Genomic DNA Purification Kit	Mammalian Tissues	2x10 ⁶ Cultured Cells: 20-30 µg 10-20 mg of tissue 30-50 µg	4 hrs	High Quality DNA from variety of mammalian tissues suitable for restriction Digestion, PCR, RAPD etc.

DNA INSOLATION KITS SELECTION GUIDE

Sl. No.	Product Name	Starting Material	Yield	Time	Highlights
14	GeneiPure™ Blood Genomic DNA Purification Kit	Blood, Serum, Buffy coat, Saliva, body fluids & Cell lines	Human Blood (0.2 ml): 4-6 µg	< 1hr or < 30 min	Fast, Economical and suitable for screening experiments High yield from fresh or frozen blood Removes PCR inhibitors effectively Suitable for PCR, RAPD etc.
15	GeneiUltraPure™ Blood Genomic DNA Purification Kit		Rabbit Blood (Fresh): 3-9 to µg from 0.6 ml) Human Blood (Frozen): 5-8 µg from 0.6 ml HeLa Cells (2 x 10 ⁶ Cells) 20-30µg	4hrs 30 min	High quality DNA suitable for Restriction Enzyme digestion, PCR RAPD, Long PCR etc.
16	GeneiPure™ Quick PCR DNA Purification Kit	PCR Product	Yield up to 80-90%	20min/6-12 prep	>95% removal of Primer Dimer Suitable for sequencing, Cloning etc.
17	PCR Klenzo™		Yield up to 80-90%	70-80 min	Solution based kit for up to 90% removal of Primer-Dimer for PCR products of 300bp and above. Fast, Economical and suitable for sequencing & cloning
18	Gel Extraction Kit	Gel Extraction Kit	Yield up to 80-90%	20 min-30 min/6 preps	0.1-10 kb DNA can be purified DNA suitable for PCR, RAPD, restriction digestion etc.
19	GeneiPure™ Gel Extraction Kit		>70% Yield	20-30 min	Purified DNA suitable for PCR, RAPD, restriction digestion, cloning etc.

Note :

The solution based kits are convenient in scaling up.

The GeneiPure™ spin column based kits are convenient for high throughput screening.

The UltraPure range of kits give DNA of highest purity.

The yield and purity of DNA is highly dependent on the quality, age and type of culture, plant and animal tissue from which purification is carried out.

Overloading of column with overgrown culture/ decayed and diseased tissues give poor quality DNA with lower yield.

Total time taken includes all incubation steps and all centrifugation steps. Lysis time may vary depending on the type of cells/tissues/culture.

Nucleic Acid Purification – DNA PureSol™ Plasmid Isolation Kit

PureSol™ Plasmid Isolation Kit contains ready to use reagents for high quality plasmid DNA isolation from overnight grown E.coli cultures. The method is very simple, rapid and cost effective, as it does not need any columns and can be carried out in a single tube per sample. PureSol™ Plasmid Isolation Kit is an efficient protocol for screening clones in a short time and obtaining sequencing grade DNA.

Highlights :

- Minimum starting material required for isolation of pure and intact plasmid DNA.
- High recovery of DNA from both low copy number and high copy number plasmid.
- Rapid and simple isolation. No columns required.
- No/ Minimal genomic DNA contamination.
- No RNA contamination.
- Good quality of DNA for subsequent use in molecular biology experiments like Restriction Enzyme Digestion, PCR, Ligation and Transformation and Automated Sequencing.

The kit provides sufficient reagents for 50 plasmid preparations .

Storage : RNase A and Lysozyme at -20°C.

Buffers at room temperature.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612116900021730	KT169	PureSol™ Plasmid Isolation Kit (50 Plasmid Preparations)	5750

UniFlex™ DNA Isolation Kit

The ability to prepare and isolate pure nucleic acids from a variety of sources is an important step in many molecular biology protocols. The UniFlex™ DNA Isolation Kit provides a single solution for a simple, fast, reliable, reproducible and convenient extraction of high amount of pure genomic DNA from various samples (bacterial, fungal, plant, animal tissue, mammalian tissue). The kit uses specialized lysis solution and precipitation solution for purifying the DNA thus obtained.

The kit provides sufficient reagents for 100 Preps.

Sample	Starting Material (amount)	Yield (µg)
Plant leaves	100 mg	20-30
Green Gram Seeds	100 mg	15-20
Saliva	100 µl	2-3

Sample	Starting Material (amount)	Yield (µg)
Faecal pellet	100 mg	5-6
Urine	0.2 ml	~1
Mouse Tissue	100 mg	10-30
Semen	0.2 ml	3-5
Bacterial	1 ml	20-30
Fungal Pellet	100 mg	20-30
Blood	0.2 ml	8-10
Algae	0.2 ml	5-7

Highlights :

- Two step, effective and simple protocol for DNA isolation from wide variety of organisms and tissues.
- Only solution based which gives a very high recovery. Does not involve columns or beads.
- Can be easily scaled up to isolate DNA from larger amounts of tissues.
- Purified DNA is of high quality and ready for down processing like restriction analysis, PCR analysis and Fingerprinting.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612117000051730	KT170	UniFlex™ DNA Isolation Kit (100 Preps.)	11160

Plant DNA Extraction Kit (for PCR Amplification)

Plant DNA Extraction Kit is designed as a quick single-tube method for DNA extraction from only ~ 1.5 cm length of plant leaf. This kit yields enough DNA to serve as template for 10-15 PCR reactions.

The kit is supplied with enough reagents for 100 Preps.

Application :

- This kit can be used for quick isolation of DNA from monocot and dicot leaves.
- DNA extracted can be directly used for PCR.
- Large number of samples can be handled by a single person allowing rapid screening of large mapping populations.

Highlights :

- Quick, Single-tube method.
- No tissue homogenization required.
- Does not involve phenol extractions for many samples like sugarcane, rice, tomato etc.
- The resulting amplification patterns are indistinguishable from those generated from rigorous large-scale DNA extractions.

Note : We have tested in our lab various dicot & monocot leaf samples and have found reproducible RAPD results. However, good results were obtained only with very tender tissue. DNA yields were lower with tissues after certain degree of ageing.

Storage : 4°C

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612102200051730	KT22	Plant DNA Extraction Kit for PCR Amplification (100 Preps.)	4980

CTAB Plant DNA Extraction Kit (from Leaves)

Cetyltrimethyl ammonium based DNA isolation method was initially used in bacteria & later modified to extract DNA from plants.

CTAB forms an insoluble complex with nucleic acids when the initial NaCl concentration is lowered to ~ 0.5 M. Polysaccharides, phenolic compounds & other enzyme inhibiting contaminants found in plant cells are removed in the supernatant. The nucleic acid - CTAB complex is soluble only in high salt buffer which is provided. Detergent is removed by raising the NaCl concentration & precipitating the nucleic acids. The materials provided in the kit are sufficient for 10 Preps.

Highlights :

- DNA can be isolated from 1 g of plant leaves.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612105500011730	KT55	CTAB Plant DNA Extraction Kit (10 Preps.)	3190

Whole Blood DNA Extraction Kit (from fresh & frozen blood)

The kit is designed for fast, reliable and reproducible extraction of high amount of genomic DNA from whole blood (fresh & frozen).

The kit is supplied with enough reagents for 50 Preps.

Application :

- DNA is extracted from 300 µl of fresh / frozen blood.
- Ensures the extraction of highly pure genomic DNA suitable for PCR amplification and restriction analysis.

Highlights :

- No binding resin - avoids shearing.
- No RNase treatment.
- Does not involve phenol extractions.
- Very quick-the entire experiment takes about 90 minutes.
- Purified DNA can be used for downstream applications like PCR, Restriction Digestion.
- Recovery from 300 µl of fresh Blood (Human: 10 - 15 µg).
- Recovery from 300 µl Frozen Blood (Human: 3 - 5 µg).

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612102300011730	KT23	Whole Blood DNA Extraction Kit (from fresh & frozen blood) (50 Preps.)	6000

Gel Extraction Kit

Gel Extraction Kit is designed to purify DNA fragments from standard or low melting agarose gels. The protocol is very rapid yielding ~70% DNA of high purity.

The Gel Extraction Kit contains a specially formulated glass powder that binds single and double stranded DNA without binding DNA contaminants. The Kit contains enough reagents to perform 100 Preps.

Highlights :

- Rapid - 20 to 30 minutes.
- 70% of DNA is recovered.
- No alcohol precipitation.
- DNA obtained is of high purity.
- Can purify 0.5 kb - 4 kb DNA fragment.

Application :

- Used in extraction of DNA fragments from the gel.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612100200051730	KT02	Gel Extraction Kit (100 Preps)	4060

GenPro™ 3-in-1 Isolation Kit

GenPro™ DNA/RNA/Protein isolation kit provides a rapid and easy method for the simultaneous extraction of total RNA, genomic DNA and proteins from a single sample using spin column technology. The total RNA, genomic DNA and protein are purified in less than 1 hour. This quick, reliable and consistent technique provides a simple and effective way to study protein and nucleic acids simultaneously from bacteria and yeast, plants, cells and tissues, blood and other biological samples without affecting yield and quality. This isolation kit is suitable for the isolating of macromolecules from the precious samples without fractionating the samples. The obtained DNA, RNA and protein have been tested for relevant downstream applications without or minimal cross contamination.

Highlights :

- Spin Column Technology.
- Quick and simple procedure- recovery of DNA/RNA/Protein in less than an hour.
- Sequentially isolate nucleic acids and proteins from single lysate-no need to split the lysate.
- No phenol/chloroform extraction or ethanol precipitation.
- Compatible with wide range of biological samples, bacterial and yeast cultures ,plants, cells and tissues and blood.
- Isolate high quality of Genomic DNA/Total RNA and Proteins.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612120400021730	KT204	Genpro™ 3-in-1 Isolation Kit- Cells and Tissues, 20 preps	13920
612120500021730	KT205	Genpro™ 3-in-1 Isolation Kit- Blood, 20 preps	13920
612120800021730	KT208	Genpro™ 3-in-1 Isolation Kit- Bacteria, 20 preps	15370

Table 1. The yields of genomic DNA, total RNA and Proteins obtained by simultaneous extraction from same biological samples (cells and tissues) using GenPro™ 3-in-1 Isolation Kit.

Sample	DNA (µg)	RNA (µg)	Protein (µg)
Cells (1x10 ⁶)			
HeLa	6-8	15-18	150-250
NIH-3T3	6-8	8-10	80-100
COS7	5-8	28-35	80-100
Mouse tissues (10-15 mg)			
Liver	15-20	55-60	350-450
Heart	10-14	6-10	250-300

Table 2. The yields of Genomic DNA, Total RNA and Proteins obtained by simultaneous extraction of nucleic acids and Proteins from blood samples using GenPro™ 3-in-1 Isolation Kit.

Sample	DNA (µg)	RNA (µg)	Protein (µg)
Whole Blood (1 ml)			
Human	5-8	4-6	150-200
Mice	3-6	2-3	100-150

Table 3. The yields of Genomic DNA, Total RNA and Proteins obtained by simultaneous extraction of nucleic acids and Proteins from Bacterial Cultures using GenPro™ 3-in-1 Isolation Kit.

Sample	DNA (µg)	RNA (µg)	Protein (µg)
Bacterial Cultures (1 ml)			
E.coli	2-3	10-15	200-300
S. aureus	8-10	50-60	300-600

GeneiPure™ DNA Purification Kits

GeneiPure™ DNA Purification Kits are designed for isolation of pure, sequencing grade DNA using silica membrane technology. Purification follows a simple bind-wash-elute procedure yielding ready-to-use high quality DNA.

Principle:

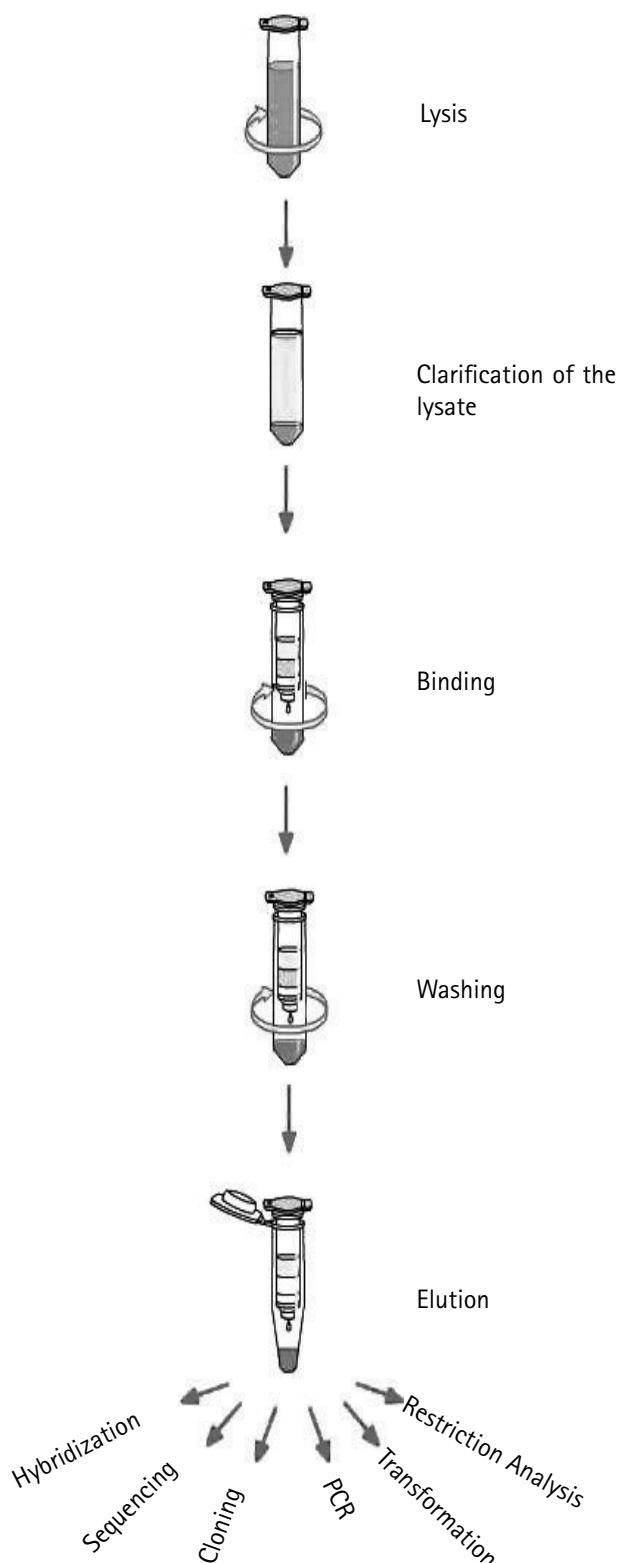
GeneiPure™ DNA purification kits are based on selective adsorption of DNA in presence of chaotropic salt and desorption in the presence of low ionic strength buffer or water. DNA molecule is surrounded by water molecules (shell) that makes it soluble in aqueous solution. In the presence of chaotropic salts, water molecules are removed from the nucleic acid backbone and it can readily bind to the silica membrane of spin column. Proteins, salts, metabolites and other soluble macromolecules do not have affinity towards silica membrane and are readily removed during the washing step. DNA is brought back to the soluble form and eluted when a low-salt, slightly alkaline elution buffer or water is applied onto the column.

Intact DNA can be purified from various sources, devoid of contaminants as final eluate.

Advantages:

- Fast
- Economical
- Reproducible
- Avoids use of hazardous organic solvents and silica solutions/slurries whose carry over causes interference in downstream applications
- Optimized buffers to purify DNA from diverse samples.

Quick Protocol



GeneiPure™ Plasmid Purification Kit (Mini)

Highlights :

- Improved binding capacity of GeneiPure™ column
- Rapid procedure - 12 preps in 25 min
- Isolation of 2-10kb plasmids with upto 80% recovery
- Purification of low and high copy plasmids
- No RNA or genomic DNA contamination
- Isolation of plasmid from both gram positive and gram negative strains
- > 80% plasmid DNA in supercoiled form
- Ready-to-use sequencing grade plasmid DNA for various downstream applications like restriction analysis, PCR, cloning, transformation and other enzymatic manipulations

Storage : 4°C

(Columns and Cell Lysis Solution to be stored at RT).

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612115200031730	KT152L	GeneiPure™ Plasmid Purification Kit (50 Preps.)	9380

GeneiPure™ Bacterial DNA Purification Kit (Mini)

Highlights :

- Improved yield, upto 8-10 µg of DNA from 0.5-1 ml of *Escherichia coli* culture
- Unique lysis buffer optimized for Bacterial DNA Purification

Storage : Store Bacterial Lysis Buffer at 4°C, enzymes at -20°C and rest of the components at RT.

Material	Amount	Yield (µg)
<i>E.coli</i>	1.5 ml	5-7
<i>Bacillus subtilis</i>	4.5 ml	10-13

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612115900021730	KT159M	GeneiPure™ Bacterial DNA Purification Kit (20 Preps.)	6990
612115900031730	KT159L	GeneiPure™ Bacterial DNA Purification Kit (50 Preps.)	13860

GeneiPure™ Yeast DNA Purification Kit (Mini)

Highlights :

- Improved yield, upto 5-8 µg of DNA from 4-5 ml of *Saccharomyces cerevisiae* culture
- Unique lysis buffer and lyticase for effective and complete lysis

Storage : Store Yeast Lysis Buffer at 4°C, enzymes at -20°C and rest of the components at RT.

Material	Amount	Yield (µg)
Saccharomyces cerevisiae	4-5 ml	5-8

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612115800021730	KT158M	GeneiPure™ Yeast DNA Purification Kit (20 Preps.)	6990

GeneiPure™ Plant Genomic DNA Purification Kit (Mini)

Highlights:

- Upto 100 mg of plant sample can be processed with a typical yield of 10 µg of DNA
- Two alternate lysis buffers for processing of different plant species
- Improved lysis buffers for high yield and purity
- Spin filters included for clarification of lysate

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612115700021730	KT157M	GeneiPure™ Plant Genomic DNA Purification Kit (20 Preps.)	7940
612115700031730	KT157L	GeneiPure™ Plant Genomic DNA Purification Kit (50 Preps.)	13750

GeneiPure™ Mammalian Genomic DNA Purification Kit (Mini)

Highlights :

- Rapid purification of genomic DNA from various tissues eg. spleen, liver, heart, lung, rodent tail etc.
- Improved yield upto 15-25 µg of genomic DNA from 10 mg of tissue
- Improved lysis buffers for high yield and purity

- No RNA contamination
- Ready-to-use DNA for restriction digestion, RAPD, PCR, sequencing and other enzymatic reactions

Storage : Store cell lysis solutions at 4°C, enzymes at -20°C and rest of the components at RT.

Material	Amount	Yield (µg)
Liver Tissue (mouse)	20 mg	30 - 35
Spleen Tissue (mouse)	25 mg	15 - 20
Heart Tissue (mouse)	20 mg	5 - 10
Lung Tissue (mouse)	20 mg	5 - 10

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612115500031730	KT155L	GeneiPure™ Mammalian Genomic DNA Purification Kit (50 Preps.)	13100

GeneiPure™ Blood Genomic DNA Purification Kit (Mini)

Highlights :

- Isolation of genomic DNA from whole blood (treated with EDTA, heparin or citrate), plasma, serum, buffy coat, platelets, amniotic fluid and other body fluids
- Complete removal of PCR inhibitors
- Typical yield upto 4-6 µg from 200 µl of sample
- Rapid Purification of DNA using user friendly protocol in less than 30 minutes

Material	Amount	Yield (µg)
HeLa (human) Cells	1x10 ⁶	6-10
Blood	200 µl	4 - 6

Storage : Store enzymes at -20°C and rest of the components at RT.

Ordering Information :

Cat #	Pl. #	Product	Unit Price ₹
612115600031730	KT156L	GeneiPure™ Blood Genomic DNA Purification Kit (50 Preps.)	11700

GeneiPure™ Quick PCR Purification Kit

Highlights:

- Efficient purification of 0.1–10kb PCR DNA fragments
- Rapid PCR product purification – 6 preps in 15 min
- Upto 95% removal of primer-dimers
- Ready-to-use DNA for various downstream applications like restriction analysis, PCR, sequencing, cloning and other enzymatic manipulation

Storage: Room temperature

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612115300031730	KT153L	GeneiPure™ Quick PCR Purification Kit (50 Preps.)	8430
612115300051730	KT153J	GeneiPure™ Quick PCR Purification Kit (250 Preps.)	28980

GeneiPure™ Gel Extraction Kit

Highlights:

- Purification of DNA from low melting or standard agarose gel made in TAE or TBE buffers
- Purification of 0.1kb–10kb DNA fragments with 70–80% recovery
- Rapid DNA purification – 6 preps in 15 min
- Ready-to-use sequencing grade DNA for various downstream applications like restriction analysis, PCR, cloning and other enzymatic manipulations

Storage: Room temperature

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612115400021730	KT154M	GeneiPure™ Gel Extraction Kit (20 Preps.)	5390
612115400031730	KT154L	GeneiPure™ Gel Extraction Kit (50 Preps.)	8680

GeneiUltrapure™ DNA Purification Kits

Rapid, Reliable & Reproducible...

GeneiUltrapure™ DNA Purification Kit ranges are designed for isolation of ultrapure DNA using Gravity based anion exchange resin. Purification follows a simple Lyse-Bind- Wash-Elute procedure yielding ready-to-use ultrapure DNA.

Features:

- Faster purification.
- Maximum recovery.
- Highly consistent.
- Cesium grade quality-DNA.
- No use of hazardous chemicals.
- Columns are RNase, DNase free.
- Purified DNA suitable for all downstream applications.
- Complete removal of RNA, Protein and PCR inhibitors.
- 260/280 ratios are between 1.6 to 2.0.

Principle:

GeneiUltrapure™ DNA Purification Kits are based on the selective binding of nucleic acids from crude extract to a silica based anion exchange resin. Under appropriate salt concentration and pH, negatively charged nucleic acids bind to the surface of a positively charged resin. The extraordinary high charge density on its hydrophilic macro porous anion exchange resin leads to the most easiest & cost effective approach to ultra pure DNA preparation, contaminants such as proteins, polysaccharides flow through. Impurities are further removed by an effective wash step. Finally DNA is eluted in a high salt buffer, then concentrated and desalted by isopropanol precipitation.

GeneiUltrapure™ Cotton Genomic DNA Purification Kit – Leaves

Highlights:

- High yields from Transgenic or non transgenic Cotton Leaves
- Higher yields obtained for effective lysis using additives

Storage: Cell lysis buffers at 4°C, enzymes at -20°C and rest of the components at RT

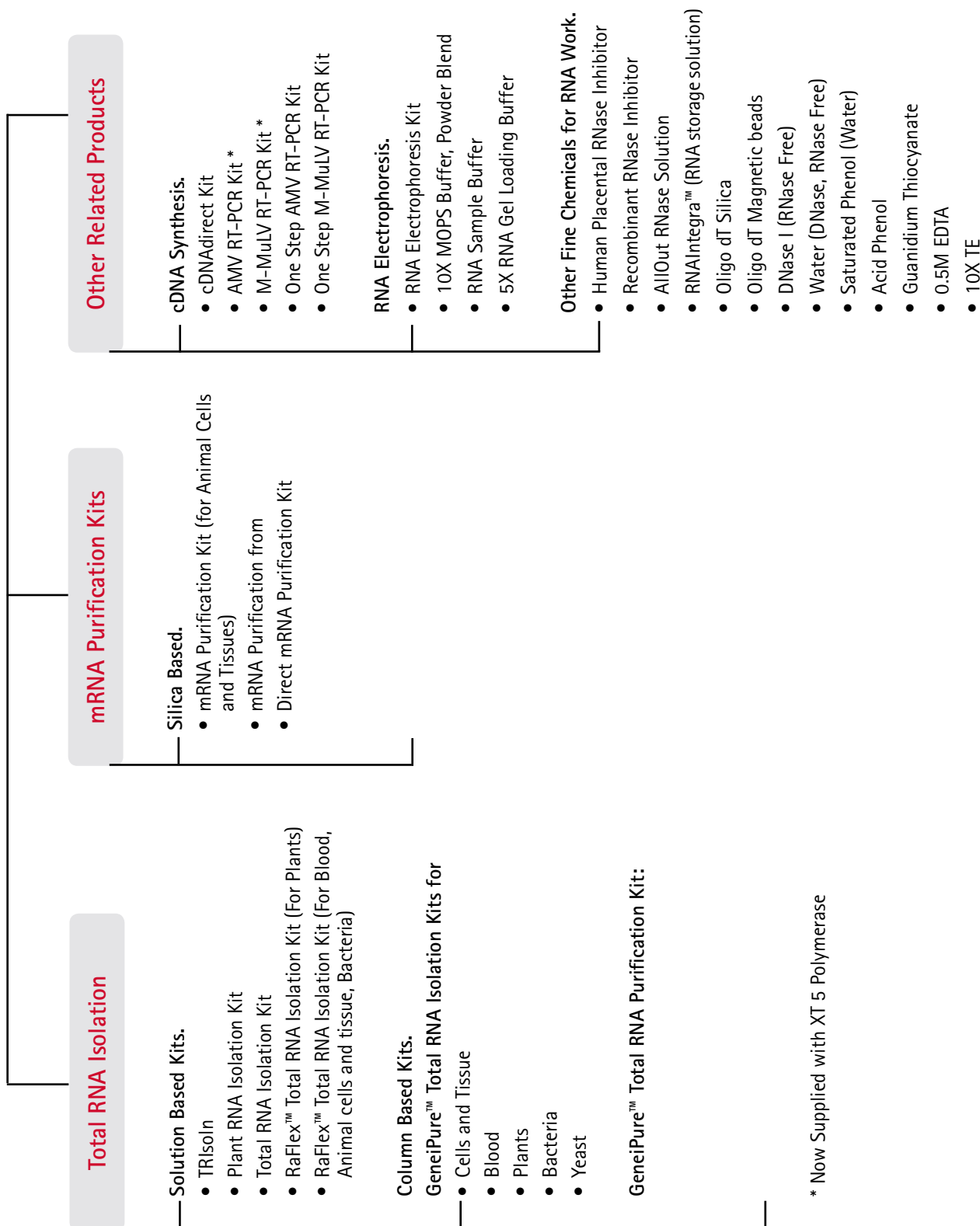
Yield: 3–5 µg

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612116400021730	KT164	GeneiUltraPure™ Cotton Genomic DNA Purification Kit – Leaves (10 Preps.)	6000

nor are they suitable for administration to humans or animals.

Products for RNA



* Now Supplied with XT 5 Polymerase

Total RNA Isolation Selection Guide

Sl. No	Product Name	Starting material	Yield	Highlights	Process speed	Purity	RT-PCR
1	RaFlex™ Total RNA isolation kit (For Plants)	Plant tissue	<ul style="list-style-type: none"> • 130-150µg from 100 mg Arabidopsis leaf • 80-90 µg from 100 mg Picea root • 15-20 µg from 10 mg of tea leaves • 15-20 µg from 100 mg almond bark • 40-50 µg from 100 mg tomato stem • 80-100 µg from 100 mg of lemon grass 	<ul style="list-style-type: none"> • Solution based • Universal kit for all types of tissues • Highly efficient even for difficult plant tissues with high quantity of pigments and secondary metabolites. • Supplied with RNA Integra (RNA storage buffer). 	***	**	Yes
2	RaFlex™ Total RNA isolation kit (For Blood, Animal cells and tissues, bacteria)	Animal cells and tissue, Blood, Bacteria	<ul style="list-style-type: none"> • 130-150 µg from 2x106 Hela cells • 200-220 µg from 100 mg mouse liver • 90-100 µg from 1 ml of Overnight grown culture of gram +ve bacteria • 1.5-2 µg from 0.1ml of blood 	<ul style="list-style-type: none"> • Solution based • Maximum yield • No RBC lysis required for Blood • Supplied with RNA Integra (RNA storage buffer). 	***	**	Yes
3	Total RNA isolation kit	Animals cells and tissue.	<ul style="list-style-type: none"> • 70-100 µg from 2x106 Hela cells • 70-100 µg from 100 mg mouse liver / brain / heart 	<ul style="list-style-type: none"> • Solution based • Based on Chomczynski and Sacchi protocol. 	**	***	Yes
4	TRISoln	Animal cells and tissue, bacteria	<ul style="list-style-type: none"> • 70-100 µg from 2x106 Hela cells • 70-100 ug from 100mg mouse liver/ brain / heart 	<ul style="list-style-type: none"> • Single reagent for isolation of RNA DNA and protein 	**	**	Yes
5	Plant Total RNA Isolation kit	Plant tissues	<ul style="list-style-type: none"> • 80-120 µg from 100mg of green gram sprouts 	<ul style="list-style-type: none"> • Solution based • Lithium chloride based method 	*	**	Yes
6	GeNeiPure™ Total RNA Isolation kit -cells and tissue	Animal cells and tissues	<ul style="list-style-type: none"> • 40-60 µg from 2x106 Hela cells • 50-60 µg fom 10mg of mouse liver tissue. • 7-10 µg from 10 mg Mouse heart tissue 		***	***	Yes
7	GeNeiPure Total RNA Isolation kit - Bacteria	Bacteria	<ul style="list-style-type: none"> • 15-50 µg from 1ml overnight culture 		****	***	Yes

Process speed is the time taken to complete the experiment:

**** <60 minutes

*** 60 to 90 minutes

** 90 to 120 minutes

* >120 minutes

Purity is the ratio 260/230 nm

*** = 1.8 to 2

** = 1.5 to 1.8

Note:

The solution based kits are convenient in scaling up

The column based kits are convenient for high throughput screening

RNA purified using all the above kits perform in Reverse

Transcription reaction

RaFlex™ Total RNA Isolation Kit

RaFlex™ is a Rapid, Flexible and Efficient way of isolating maximum yield of intact Total RNA. RaFlex™ is based on solution based method providing maximum yield of intact total RNA from all types of tissues.

The procedure involves tissue homogenization, centrifugation and precipitation of RNA. RNA Integra, a unique buffer is provided in the kit to stabilize and store the purified RNA for extended periods. The purified RNA is good for several downstream applications such as RT-PCR, construction of cDNA libraries, primer extension, Northern blotting etc. The kit contains reagents sufficient for 50 isolations from 100 mg of tissue each or approximately 106-107 cells in culture. Solution III is specially provided for plant tissues with pigments and other chemical substances that can inhibit downstream applications like RT-PCR.

Highlights:

- Rapid and Flexible with maximum yield.
- Mini, Midi and Maxi scales can be carried out.
- Highly efficient even for difficult plant tissues containing pigments and other secondary metabolites.
- RNA isolation from blood does not require RBC lysis, hence making the protocol fast and convenient.
- RNAIntegra™ storage maintains the integrity of purified RNA.

Storage: Store the components of the kit at recommended temperature

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612115100021730	KT151L	RaFlex™ Total RNA Isolation Kit (for Plants) (50 Preps.)	19800
612115100031730	KT151A	RaFlex™ Total RNA Isolation Kit (for Bacteria, Blood, Animal Cells & Tissues) (50 Preps.)	16880

Plant RNA Isolation Kit

Plant RNA isolation kit produces high yields of intact total RNA from a variety of plant tissues. The protocol involves tissue disruption by SDS followed by acid-phenol-chloroform extraction and selective precipitation of RNA.

RNA obtained is good for several downstream applications such as cDNA synthesis, mRNA purification, RT-PCR etc. The quality and quantity of RNA extracts were tested by measurement of A_{260}/A_{280} ratio and subsequently by electrophoresis on formaldehyde agarose gel.

The kit is designed to carryout 10 Preps.

Storage: 4°C

Highlights:

- Reproducible, reliable, economical and rapid method of RNA isolation
- Higher yields of RNA obtained when compared to traditional methods

- Isolated RNA suitable for RT-PCR, cDNA synthesis, mRNA purification etc.
- Ratio of A_{260}/A_{280} is greater than 1.7

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612109800011730	KT98	Plant RNA Isolation Kit (10 Preps.)	5940

TRIsoln

TRIsoln is ready to use single reagent containing guanidium thiocyanate and phenol with proprietary components that helps in isolating total RNA. This reagent is based on the technology developed by Chomczynski and Sacchi.

Tissue samples are lysed in TRIsoln, followed by addition of chloroform that separates RNA in the aqueous phase. TRIsoln comes with a dye which allows clear distinction of aqueous and organic phases. The aqueous phase contains RNA while the organic phase contains DNA and proteins that can be recovered by sequential precipitation. The isolated RNA/ DNA and proteins are suitable for all downstream applications.

Storage: 4°C

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612106481001730	FC64	TRIsoln 100 ml	6090

GeneiPure™ Total RNA Isolation Kits

Different Biological Samples. ...Range of RNA isolation kits... Pure and Intact RNA within minutes

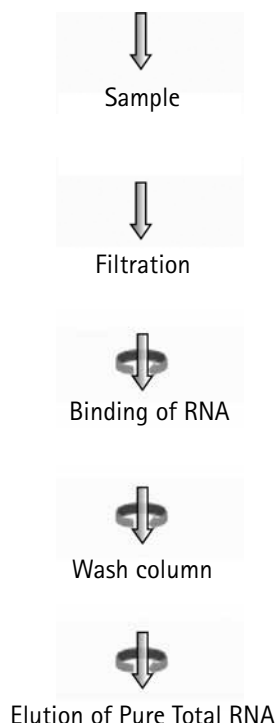
GeneiPure™ Total RNA Isolation Kit provides a fast and simple method of isolating total RNA from various biological samples like animal cells and tissues, blood (white blood cells), yeast, bacteria and plants.

The procedure represents a well established silica membrane technology with a spin column format for rapid, bind-wash and elute method to prepare high quality total RNA. Biological samples are first lysed and homogenized by using a single lysis buffer containing chaotropic ions which immediately inactivate RNases and create an appropriate binding condition, which favors adsorption of RNA to the silica membrane. Following different washes to remove salts metabolites and macromolecular cellular components pure RNA is eluted under low ionic strength conditions with RNase -free water.

The purified RNA is ready for use in downstream applications such as:

- cDNA Synthesis
- RT-PCR and Real-Time PCR
- Northern Blot
- Microarray

Cells, Tissue, Blood, Plants, Bacteria and Yeast



GeneiPure™ Total RNA Isolation Kit – Cells & Tissues

GeneiPure™ Total RNA Isolation Kit cells and Tissue provides quick and simple method of isolating total RNA from animal cells and tissues based on well-established spin column technology for RNA isolation. The Lysis Buffer creates an appropriate binding condition, which favors adsorption of RNA to the silica membrane. The washing steps remove salts, metabolites and macromolecular cellular components. Pure RNA is eluted under low ionic strength conditions with RNase-free water.

The kit provides sufficient reagents for 20 Preps.

Highlights:

- Recovery of pure and intact RNA within 30 minutes.
- Compatible with wide range of cell lines including embryonic stem cell lines and tissues.
- Highly pure RNA is obtained with A_{260}/A_{280} of 2.0-2.1.
- No salt carry over.
- RNA obtained is of high quality and can be directly used for downstream applications like ReverseTranscription, Real Time PCR, Microarray.

Storage:

Proteinase K at -20°C

Buffers at room temperature (RT).

Biological Source	Yield total RNA(μg)
Cultured HeLa cells (1x10 ⁶)	15-20
Mammalian tissue (10mg)	
• Liver	50-60
• Pancreas	30-35
• Heart	7-10
• Brain	7-10

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612117100021730	KT171	GeneiPure™ Total RNA Isolation Kit Cells and Tissues (20 Preps.)	9770

GeneiPure™ Total RNA Isolation Kit – Bacteria

GeneiPure™ Total RNA Isolation Kit – Bacteria provides an organic free method of isolating total RNA from different bacterial strains. Bacterial cultures are first lysed by using enzymes such as lysozyme or lysostaphin and Proteinase K followed by incubating in a solution containing large volumes of chaotropic ions.

The kit provides sufficient reagents for 20 Preps.

Highlights:

- Recovery of pure and intact RNA in an hour.
- Compatible with wide range of strains.
- Highly pure RNA is obtained with A_{260}/A_{280} of 2.0-2.1.
- No salt carry over.

Storage:

Lysozyme at -20°C

Buffers at room temperature (RT).

Biological Source	Yield total RNA(μg)
Bacteria (1 ml Culture)	
• <i>E. coli</i>	15-20
• <i>B.subtilis</i>	15-25
• <i>Staphylococcus aureus</i>	20-30

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612117500021730	KT175	GeneiPure™ Total RNA Isolation Kit – Bacteria (20 Preps.)	10900

mRNA Purification Kit (from Total RNA of eukaryotes)

This kit is useful in purifying polyA mRNA from Total RNA of wide range of plants/ animals. The purified mRNA is useful in all downstream applications. Oligo (dT)-cellulose selectively binds to polyA tail present in eukaryotic mRNA. Superior binding capacity results in maximum yields of mRNA.

The procedure consists of adding pre-measured quantities of Oligo (dT)-cellulose to the purified total RNA, washing of the matrix to get rid of other molecules using wash buffer and finally eluting out mRNA using elution buffer. Spin column set is provided for speed and convenience. Kit contains reagents for 10 Preps from 100 µg of total RNA. Each isolation can provide mRNA upto 1-2% of starting amount Total RNA.

Storage: 4°C

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612108000011730	KT80A	mRNA Purification Kit from Total RNA of eukaryotes (10 Preps.)	8810

mRNA Purification Kit (From Animal Cells & Tissues)

RNA Purification Kit produce excellent yields of intact eukaryotic mRNA suitable for use in cDNA synthesis and RT-PCR. This kit features a high binding capacity of Oligo (dT)-cellulose that selectively binds polyA mRNA. Superior binding capacity results in high yields of mRNA from tissue / cells.

The procedure consists of tissue/cell lysis using guanidine thiocyanate, phenol-chloroform extraction, alcohol precipitation and batch binding of the RNA with pre-measured quantities of Oligo (dT)-cellulose. A spin column is used in the elution step for speed and convenience. Kit contains reagents for 10 Preps from 5 x 10⁶ to 10⁷ cells, or about 100 mg tissue.

Note: Not applicable for prokaryotic mRNA, Plant samples.

Highlights:

- For affinity-purification of mRNA using Oligo (dT)-cellulose
- Preserves integrity of mRNA by utilizing guanidine thiocyanate during tissue or cell disruption

Storage: 4°C

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612108000021730	KT80	mRNA Purification Kit (10 Preps.)	11000

0.5M EDTA (DNase & RNase Free)

0.5M EDTA (pH 8.0) is an aqueous solution prepared by dissolving EDTA, disodium salt in DEPC treated deionized water and adjusting the pH to 8.0 with sodium hydroxide.

DNase and RNase: None detected.

Molecular Weight: 372.20.

Storage: Room temperature.

Application: EDTA is a chelator of divalent cations and routinely added in the buffers used for the preparation of nucleic acids, proteins etc.

Ordering information:

Cat #	Pl. #	Product	Unit Price ₹
612151280501730	FC43	0.5M EDTA (Protease, DNase, RNase Free), 50ml	1790

10X TE (DNase & RNase Free)

10X TE (Tris-EDTA, pH 8.0) prepared using molecular biology grade reagents.

DNase and RNase: None detected.

Application: Used as a rehydrating solution in DNA extraction at 1X concentration.

Storage: Room temperature.

Ordering information:

Cat #	Pl. #	Product	Unit Price ₹
612151381001730	FC44	10X TE (Protease, DNase, RNase Free), 100ml	2900

Sodium acetate 3M (DNase & RNase free)

Sodium acetate 3M (pH 5.2) is prepared using molecular biology grade reagents.

DNase and RNase: None detected.

Molecular Weight: 82.03

Application: Used for nucleic acid precipitation.

Storage: Room temperature.

Ordering information:

Cat #	Pl. #	Product	Unit Price ₹
612151481001730	FC45	Sodium acetate 3M, 100ml	2730

Water (DNase & RNase Free)

Water is treated with DEPC and tested for absence of DNase and RNase contamination.

Application: Useful in specialized experiments where high purity water is required.

Storage: Room temperature.

Ordering information:

Cat #	Pl. #	Product	Unit Price ₹
612151181001730	FC41L	Water 100ml	1980
612151100011730	FC41J	Water 1 Pack (5 x 100 ml)	6410

DNA Ladders, Rulers & Markers

Genei offers a broad selection of DNA Ladders, Rulers and Markers, for accurate quantitative analysis of linear double-stranded DNA in agarose gels. Most Genei DNA Ladders, Rulers and markers are available both in a convenient ready-to-use format (premixed with loading dye solution) and in the conventional format (dissolved in storage (TE) buffer). Our DNA Ladders, Rulers and Markers are manufactured and quality controlled to match all industry standards.

- The Ladders and Rulers are generated from proprietary plasmids purified by cesium chloride gradient, digested to completion with appropriate Genei Restriction Enzymes, these products are stable during prolonged incubation at room temperature and multiple freeze-thaw cycles.

Highlights:

- Suitable for quantitative analysis
- No extraneous High molecular weight bands
- Cover a wide range of DNA fragment lengths
- Bright and sharp bands
- Easy-to-remember band sizes and Intense reference bands
- Available in bulk quantities
- Supplied with 6X Gel Loading Buffer
- Economical (0.5 µg/lane)

Main features of Genei Ladders, Rulers & Markers and their applications are listed in description of each Product.

Loading Instructions for Ladders & Rulers (on agarose gel):

Ladders and Rulers have to be loaded using 6X Gel Loading Buffer supplied along with the product.

- Amount of ladder/ruler to be loaded per well, depends upon the width of the lane (eg: 0.4-0.5 µg / lane of 5 mm width is recommended).
- Mix as follows to load onto well of 5 mm width:
- 0.8-1 µl of Ladder/ruler/marker.
- 3 µl of 6X Gel Loading Buffer.
- 12 µl of sterile glass distilled water.
- Mix thoroughly & load the entire volume on agarose gel.

Loading Instructions for 10 bp and 20 bp DNA Ruler (on native PAGE):

- Ruler has to be diluted using 6X Gel Loading Buffer supplied along with the Ruler.
- Amount of Ruler to be loaded per well, depends upon the width of the lane (eg: 0.8-1 µg / lane of 7 mm width is recommended).
- Mix as follows to load onto well of 7 mm width:
- 1.5-2.0 µl of Ruler.
- 4 µl of 6X Gel Loading Buffer.
- 14 µl of sterile glass distilled water.
- Mix thoroughly & load the entire volume on native PAGE.

Loading Instruction for ready to use DNA Ladders, Markers & Rulers (on agarose gel):

- Amount of ladder to be loaded per well depends upon the width of the lane (eg: 0.4-0.5 µg / lane of 5 mm width is recommended).
- Recommended volume per lane of 5 mm width is 5 µl.
- Thaw the sample completely, mix thoroughly before loading onto agarose gel.

Note: Smallest pack size for all Ladders, Rulers & Markers is 50µg

Ladders

StepUp™ 50 bp DNA Ladder

The StepUp™ 50 bp DNA ladder consists of 20 bands of double stranded DNA fragments ranging from 50-1000 bp with size increment of 50 bp. These are suitable for sizing of DNA fragments generated by PCR, restriction digestion etc., separated on agarose gel. 500 bp band is spiked as reference point for easy detection.

Storage: -20°C.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

1000	850	700	550	400	250	100
950	800	650	500	350	200	50
900	750	600	450	300	150	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612653170501730	MBD31	StepUp™ 50bp DNA Ladder (100 loads), 50µg	5400
612663170501730	RMBD31L	StepUp™ 50bp DNA Ladder Ready to use (100 loads), 50µg	6260

Shipped with 6X Gel Loading Buffer.

StepUp™ 100 bp DNA Ladder

The StepUp™ 100 bp DNA ladder contains 10 bands of double stranded DNA fragments ranging from 100 to 1000 bp with size increment of 100 bp. These are suitable for sizing of DNA fragments generated by PCR, restriction digestion, etc., separated on agarose gel. The 600 bp and 1000 bp bands are spiked as reference points for easy detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

1000	700	400	100
900	600	300	
800	500	200	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652670501730	MBD13	StepUp™ 100bp DNA Ladder (100 loads), 50µg	3950
612662670501730	RMBD13	StepUp™ 100 bp DNA Ladder Ready to use, 50µg	4260

Shipped with 6X Gel Loading Buffer.

StepUp™ 250 bp DNA Ladder

The StepUp™ 250 bp DNA ladder contains 17 bands of double stranded DNA fragments ranging from 250 to 5000 bp with size increment of 250 bp. These are suitable for sizing of DNA fragments generated by PCR, restriction digestion, etc., separated on agarose gel. The 2000 bp band is spiked as reference point for easy detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

5000	3250	2250	1250	250
4500	3000	2000	1000	
4000	2750	1750	750	
3500	2500	1500	500	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612653070501730	MBD30	StepUp™ 250bp DNA Ladder (100 loads), 50µg	4640
612663070501730	RMBD30L	StepUp™ 250bp DNA Ladder Ready to use (100 loads), 50µg	4930

Shipped with 6X Gel Loading Buffer.

StepUp™ 500 bp DNA Ladder

The StepUp™ 500 bp DNA ladder contains 10 bands of double stranded DNA fragments ranging from 500 bp to 5 kb with a size increment of 500 bp. These are suitable for sizing of DNA fragments generated by PCR, restriction digestion, etc., separated on agarose gel. The 3 kb band is spiked as reference point for easy detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

5000	3500	2000	500
4500	3000	1500	
4000	2500	1000	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612651970501730	MBD19	StepUp™ 500 bp DNA Ladder, 50µg (100 loads)	3160
612661970501730	RMBD19	StepUp™ 500 bp DNA Ladder RTU, 50µg (100 loads)	3920

Shipped with 6X Gel Loading Buffer.

StepUp™ 1 kb DNA Ladder

The StepUp™ 1 kb DNA ladder contains 9 bands of double stranded linear DNA fragments ranging from 1 kb to 10 kb with a size increment of 1 kb. These are suitable for sizing of DNA fragments generated by PCR or restriction digestion, genomic DNA fragments, etc., separated on agarose gel. The 3 kb band is spiked as reference point for easy detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

10000	6000	3000
8000	5000	2000
7000	4000	1000

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652070501730	MBD20	StepUp™ 1 kb DNA Ladder, 50µg (100 loads)	3670
612662070501730	RMBD20	StepUp™ 1 kb DNA Ladder RTU, 50µg (100 loads)	3890

Shipped with 6X Gel Loading Buffer.

Supermix DNA Ladder

Supermix DNA Ladder contains 13 bands of double stranded linear DNA fragments ranging from 500bp to 33.5 kb. These are suitable for sizing of DNA fragments generated by PCR, restriction digestion etc., separated on agarose gel. The 3 kb band is spiked as reference point for easy detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

33500	8990	5000	2000	500
24500	7000	4000	1500	
15000	6000	3000	1000	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652171001730	MBD21J	Supermix DNA Ladder, 100µg (200 loads)	6220

Shipped with 6X Gel Loading Buffer.

Supercoiled Plasmid DNA Ladder

Supercoiled plasmid DNA ladder contains 8 supercoiled plasmids ranging from 2kb to 10kb at exactly 2, 3, 4, 5, 6, 7, 8 and 10 kilobases. The plasmids are stained by ethidium bromide and can be easily resolved on a 1.0 to 1.2% agarose gel. Plasmids can be accurately sized without need for restriction digestion. The DNA ladder is not intended for quantitative analysis.

Storage Conditions: Supplied in 60% Glycerol, 10 mM Tris-HCl (pH 8.0) & 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

10000	6000	3000
8000	5000	2000
7000	4000	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652270101730	MBD22	Supercoiled Plasmid DNA Ladder, 10µg (20 loads)	3890

Shipped with 6X Gel Loading Buffer.

Note:

- Supercoiled Plasmid DNA Ladder to be stained at 2-3 µg/ml concentration of Ethidium Bromide.
- Suitable for use as molecular weight standard for agarose gel electrophoresis.
- Not intended for use in quantitative analysis.

Rulers

10 bp DNA Ruler (for Native Page)

10 bp DNA Ruler contains 13 individual double stranded, blunt-ended, linear DNA fragments, containing ~ 50% GC - rich sequences. The Ruler contains fragments of 40 bp, 60 bp and ranging from 100 bp - 200 bp with a 10 bp increment.

The Ruler resolves well on 12 - 15% Native PAGE gel. The Ruler supplied is ideal for accurately sizing PCR products, DNA fingerprinting studies, etc. Bands of 100, 150 and 200 bp are spiked for easier detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C

Marker Sizes (bp):

200	170	140	110	40
190	160	130	100	
180	150	120	60	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652570501730	MBD25	10 bp DNA Ruler, 50µg (100 loads)	11160

Shipped with 6X Gel Loading Buffer.

20 bp DNA Ruler (for Native PAGE and Agarose gels)

20 bp DNA Ruler contains 20 individual double stranded, blunt-ended, linear DNA fragments, containing ~50% GC-rich sequences. The Ruler contains fragments ranging from 100 bp to 1500 bp.

The Ruler can be run on Agarose gel (2-3%) or native polyacrylamide gel (8-10%). The lower bands in agarose gel might appear slightly diffused while polyacrylamide gel are suitable for better resolution of the fragments.

The Ruler is ideal for accurately sizing PCR products, restriction digests, DNA Fingerprinting studies, etc.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C

Marker Sizes (bp):

1500	900	500	280	160
1300	800	400	240	140
1100	700	360	200	120
1000	600	320	180	100

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652470501730	MBD24	20 bp DNA Ruler, 50µg (100 loads)	8190
612662470501730	RMBD24	20 bp DNA Ruler RTU, 50µg (100 loads)	8720

Shipped with 6X Gel Loading Buffer.

Low Range DNA Ruler

Low Range DNA Ruler contains 9 bands of double stranded linear DNA fragments ranging from 100bp to 3 kb. These are suitable for sizing of DNA fragments generated by PCR, restriction digestion etc., separated on agarose gel. The 1 kb band is spiked as reference point for easy detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

3000	1500	300
2500	1000	200
2000	600	100

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652370501730	MBD23	Low Range DNA Ruler (100 bp - 3 kb), 50µg (100 loads)	3200

Shipped with 6X Gel Loading Buffer.

Low Range DNA Ruler Plus

Low Range DNA Ruler Plus contains 16 bands of double stranded linear DNA fragments ranging from 100 bp to 3 kb. These are suitable for sizing of DNA fragments generated by PCR, restriction digestion etc., separated on agarose gel. The 600 bp and 1000 bp are spiked as reference point for easy detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

3000	1815	1000	700	400	100
2500	1500	900	600	300	
2000	1185	800	500	200	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652770501730	MBD27	Low Range DNA Ruler Plus (100 bp - 3 kb), 50µg (100 loads)	3050
612662770501730	RMBD27	Low Range DNA Ruler Plus (100 bp - 3 kb) RTU, 50µg (100 loads)	3910

Shipped with 6X Gel Loading Buffer.

Medium Range DNA Ruler

Medium Range DNA Ruler contains 19 bands of double stranded linear DNA fragments ranging from 100 bp to 5 kb. These are suitable for sizing of DNA fragments generated by PCR, restriction digestion etc., separated on agarose gel. The 600 bp and 1000 bp and 3000 bp are spiked as reference point for easy detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

5000	3000	1815	1000	700	400	100
4000	2500	1500	900	600	300	
3500	2000	1185	800	500	200	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652870501730	MBD28	Medium Range DNA Ruler (100 bp - 5 kb), 50µg (100 loads)	3320
612662870501730	RMBD28	Medium Range DNA Ruler (100 bp - 5 kb) RTU, 50µg	3810

Shipped with 6X Gel Loading Buffer.

High Range DNA Ruler

High Range DNA Ruler contains 21 bands of double stranded linear DNA fragments ranging from 100 bp to 10 kb. These are suitable for sizing of DNA fragments generated by PCR or restriction digestion, genomic DNA fragments, etc., separated on agarose gels. The 600 bp and 1000 bp and 3000 bp are spiked as reference point for easy detection.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

10000	5000	2500	1500	900	600	300
8000	4000	2000	1185	800	500	200
6000	3000	1815	1000	700	400	100

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612652970501730	MBD29	High Range DNA Ruler (100 bp - 10 kb), 50µg (100 loads)	3420

Shipped with 6X Gel Loading Buffer.

Markers

Quantum™ PCR Marker (Low range)

The Quantum™ PCR marker (Low range) contains linear DNA fragments ranging from 100–1900 bp, which is suitable for sizing DNA fragments generated by PCR and restriction digestion. Five bands of 1900 – 100 bp are visible and useful for quantification. The 6th band of 50 bp may not be visible.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

1900	300
900	100
550	50

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612663270501730	MBD32L	Quantum™ PCR Marker Low Range Ready to use (100 loads), 50µg	4930

Shipped with 6X Gel Loading Buffer.

Lambda DNA/EcoR I Digest

Lambda DNA is completely digested with *EcoR* I, yielding 6 fragments which range from 3,530 to 21,226 base pairs. Heating the digest at 65°C for 5 minutes and rapid cooling on ice will ensure the presence of the 3,530 bp fragment.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

21,226	5,643
7,421	4,878
5,804	3,530

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612660170501730	RMBD1	Lambda DNA / <i>EcoR</i> I Digest, 50µg (100 loads)	2420

Shipped with 6X Gel Loading Buffer.

Lambda DNA / Hind III Digest

Lambda DNA is completely digested with *Hind* III, yielding 8 fragments which range from 125 to 23,130 base pairs. Heating the digest at 65°C for 5 minutes and rapid cooling on ice will ensure the presence of the 4,361 bp fragment.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

23,130	4,361	564
9,416	2,322	125
6,557	2,027	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612660270501730	RMBD2	Lambda DNA / <i>Hind</i> III Digest, 50µg (100 loads)	2290

Shipped with 6X Gel Loading Buffer.

pBR322 DNA / Msp I Digest

Plasmid pBR322 DNA is completely digested with *Msp* I yielding 26 fragments which range from 9 to 622 base pairs.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

622	201	123	26
527	190	110	26
404	180	90	15
309	160	76	9
242	160	67	9
238	147	34	
217	147	34	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612651070501730	MBD10L	pBR322 DNA / <i>Msp</i> I Digest, 50µg (100 loads)	4890

Shipped with 6X Gel Loading Buffer.

ØX174 DNA / Hae III Digest

PhiX174 DNA is completely digested with *Hae* III yielding 11 fragments which range from 72 to 1,353 base pairs.

Storage Conditions: Supplied in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Storage: -20°C.

Marker Sizes (base pairs):

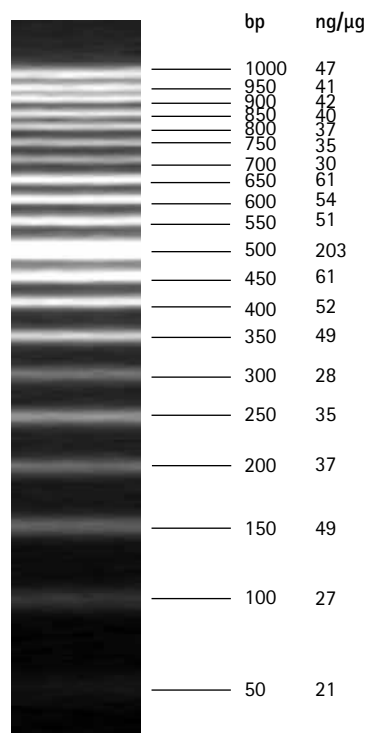
1,353	310	194
1,078	281	118
872	271	72
603	234	

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612650570501730	MBD5	PhiX174 DNA / <i>Hae</i> III Digest, 50µg (100 loads)	6000
612660570101730	RMBD5	PhiX174 DNA / <i>Hae</i> III Digest RTU, 50µg (100 loads)	6710

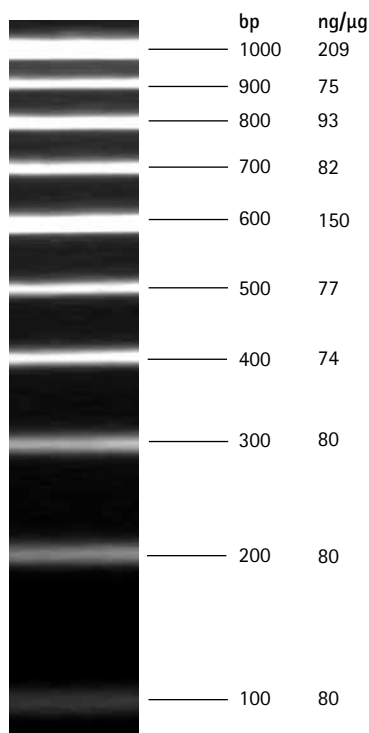
Shipped with 6X Gel Loading Buffer.

StepUp™ 50 bp DNA Ladder



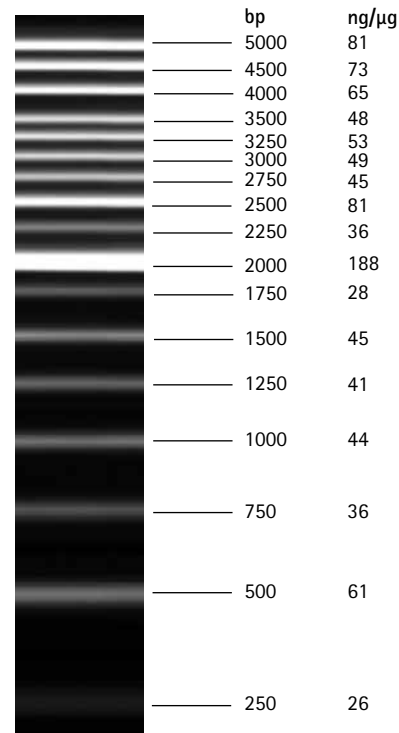
2% Agarose

StepUp™ 100 bp DNA Ladder



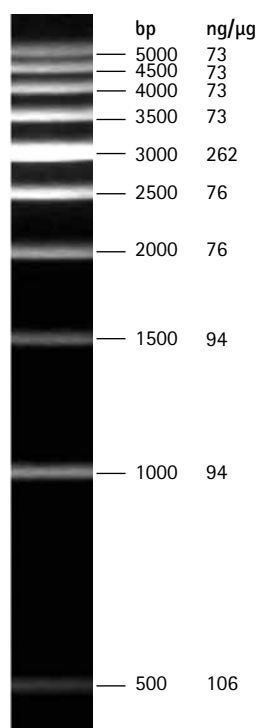
2% Agarose

StepUp™ 250 bp DNA Ladder



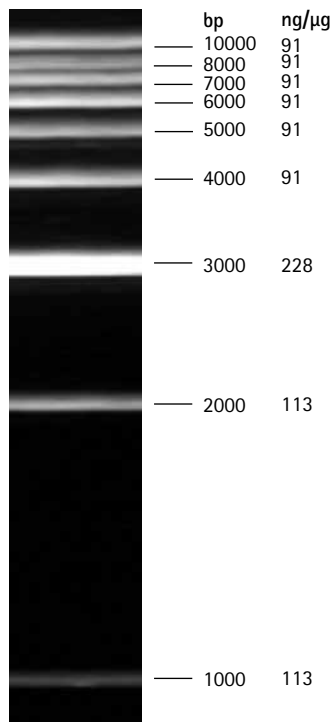
0.8% Agarose

StepUp™ 500 bp DNA Ladder



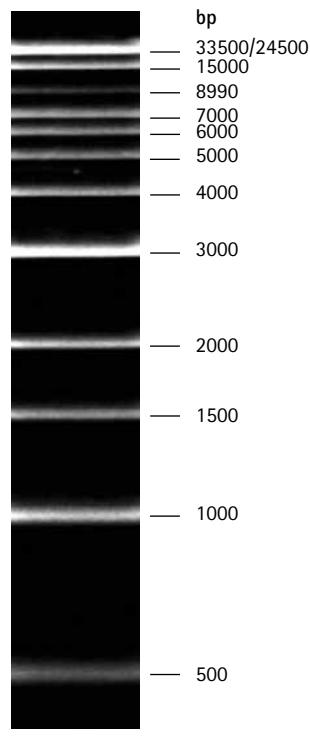
0.8% Agarose

StepUp™ 1 kb DNA Ladder



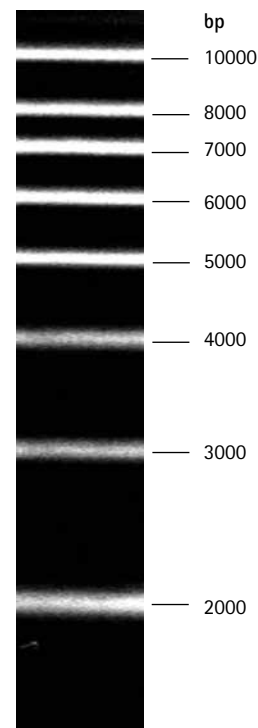
0.8% Agarose

Supermix DNA Ladder



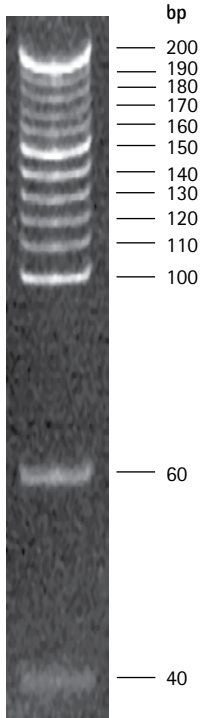
0.8% Agarose

Supercoiled Plasmid DNA Ladder



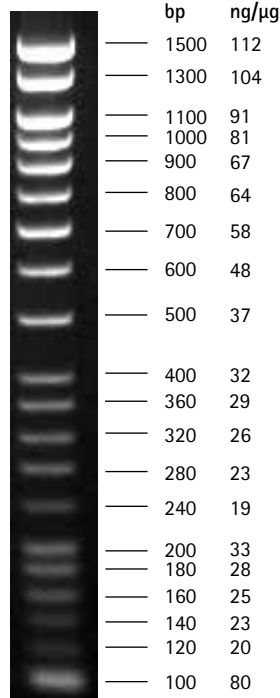
1.2% Agarose

10 bp DNA Ruler



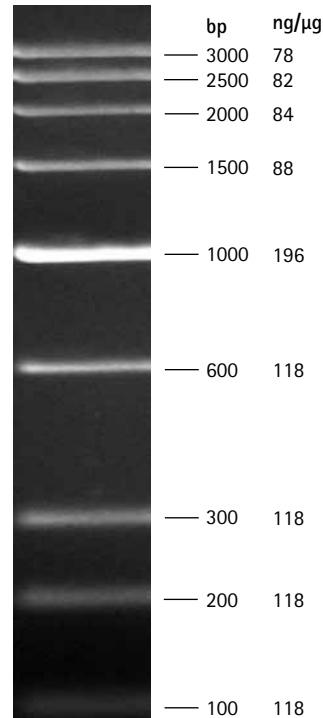
15% Native PAGE

20 bp DNA Ruler



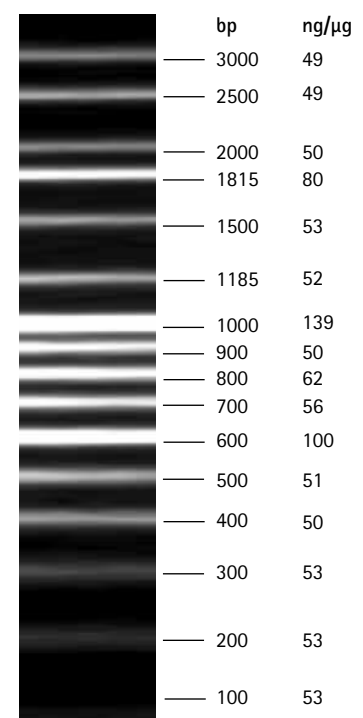
2% Agarose Gel

Low Range DNA Ruler



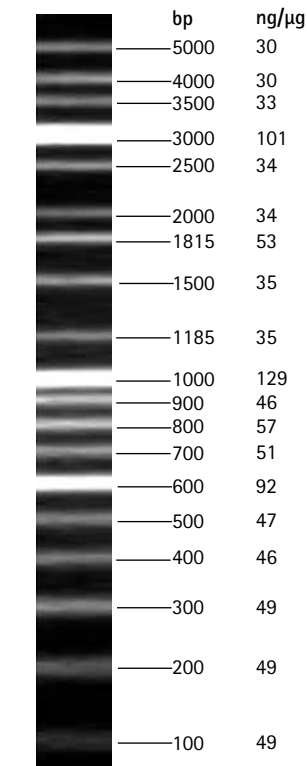
1.5% Agarose Gel

Low Range DNA Ruler Plus



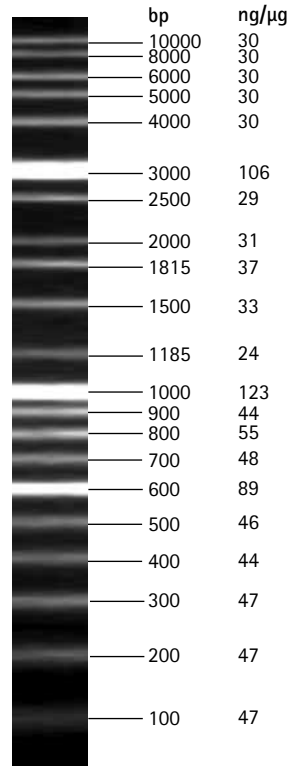
1% Agarose Gel

Medium Range DNA Ruler



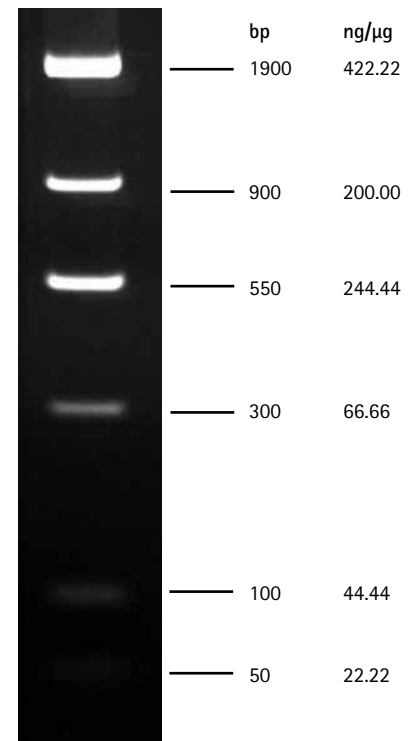
1% Agarose Gel

High Range DNA Ruler



1% Agarose Gel

Quantum™ PCR Marker (Low Range)



1.5% Agarose Gel

Fine Chemicals, Reagents & Buffer

IPTG (Isopropyl-beta-thio galactopyranoside)

IPTG (Isopropyl-beta-thio galactopyranoside) is white crystalline powder having Mol. wt.: 238.3, Purity: >99%.

Application:

- IPTG is an inducer in cloning studies to allow maximum expression of genes cloned in expression vectors.
- It helps in stimulating the production of beta-galactosidase enzyme.
- IPTG is a lactose analog which binds and inhibits the lac repressor and thereby strongly induces beta-galactosidase production.

Storage: -20°C

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
613600185001730	FC1S	IPTG, 500mg	2050
613600100011730	FC1L	IPTG, 1000mg	3310
613600100101730	FC1B	IPTG, 10g	17600

X-Gal (5-Bromo-4-chloro-Indoly-β-D-Galactoside)

X-Gal is a chromogenic substrate of beta galactosidase enzyme. White powder, having

Mol. wt.: 408.6.

Purity by TLC >99%.

Application:

- Widely used in cloning experiments for checking the presence of lac operon.
- Enables easy detection of vectors, plasmids or DNA segments which carry the beta galactosidase gene.
- It is basically used in detection of the recombinant bacteriophages (white plaques) and parental vector (dark blue plaque) when plated on a lawn of lac bacteria, by colorimetric assay.

Storage: -20°C

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
613600281001730	FC5L	X-Gal, 100mg	2310
613600200011730	FC5B	X-Gal, 1g	13310

DTT (1,4-Dithiothreitol)

Cleland's reagent

DTT is a white powder having molecular weight 154.25.

Application: Used as reducing agent. DTT reduces disulfides to their corresponding thiols, and is used at low concentrations to stabilize enzyme containing free sulfhydryl groups.

Storage: -20°C

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
613601000021730	FC22S	DTT (1,4-Dithiothreitol) 2g	3000
613601000101730	FC22L	DTT (1,4-Dithiothreitol) 10g	9890
613601000501730	FC22B	DTT (1,4-Dithiothreitol) 50g	41860

TRIS - BASE

Tris (hydroxymethyl) - aminoethane - pKa = 8.1 at 25°C.

Purity: 99.5%, Molecular Weight: 121.14.

Application: Tris buffers are commonly used for many molecular biology applications. Useful pH range 7.0 to 9.0.

Storage: 15-25°C. Protect from light.

Ordering information:

Cat #	Pl. #	Product	Unit Price ₹
613600701001730	FC30	Tris-Base, 100g	2050

TWEEN - 20®

Non-ionic detergent, Poly (oxyethylene)_n sorbitanemonolaureate (n=20)

pH Stability: Stable pH 6.5 - 7.5.

Storage: Room temperature. Protect from light.

A 10% (v/v) stock solution can be made and stored in dark bottles.

Ordering information:

Cat #	Pl. #	Product	Unit Price ₹
613601181001730	FC31	Tween® -20, 100ml	2180

CTAB Powder

CTAB (Cetyltrimethylammonium bromide) is a white powder, clear to slightly hazy colorless to faint yellow solution in water.

Molecular Formula: C₁₉H₄₂BrN.

Molecular Weight: 364.5.

Application: Suitable for precipitation of DNA.

Storage: Room temperature.

Ordering information:

Cat #	Pl. #	Product	Unit Price ₹
613600300501730	FC51	CTAB Powder, 50g	3850

Tris-Cl 1M (pH 8.0) (DNase and RNase Free)

Tris-Hydrochloride 1M is prepared using molecular biology grade reagents and water.

Appearance: Clear colourless liquid.

pH Test: 8 ± 0.2 at 25°C.

Application: Tris-Cl (pH 8.0) is commonly used buffer for many molecular biology experiments. This buffer system is markedly temperature dependent. The change in pH per 10°C amounts to approx 0.3.

Storage: 4°C / Room temperature.

Ordering information:

Cat #	Pl. #	Product	Unit Price ₹
612151581001730	FC50	Tris-Cl 1M (pH 8.0), 100ml	1850

Saturated Phenol (Water) (DNase & RNase Free)

supplies phenol which is re-distilled and saturated with DEPC water.

Application: Phenol is regularly used in the extraction of nucleic acids. It has a unique ability to denature protein while leaving the nucleic acids soluble, thus allowing rapid nucleic acid extraction.

Warning ! Highly toxic and Corrosive

Storage: 4°C, Protect from light.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612151880601730	FC52	Saturated Phenol (Water) (Protease, DNase & RNase Free), 60 ml	2180
612151683001730	FC3	Saturated Phenol (Water), 300ml	3920

Saturated Phenol (Tris - HCl)

Phenol supplied by Genei is re-distilled and then saturated with water. It is in a liquid phase, ready to be equilibrated with the required buffer. It contains antioxidant.

Phenol Saturated with Tris-HCl is also supplied. It contains antioxidant.

Application: Phenol is regularly used in the extraction of nucleic acids. It has a unique ability to denature protein while leaving the nucleic acids soluble, thus allowing rapid nucleic acid extraction.

Warning! Highly toxic and corrosive. Causes severe burns.

Storage: 4°C, protect from light.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612151780601730	FC3T	Saturated Phenol (Tris-HCl), 60ml	1620

Agarose

Agarose is a neutral polysaccharide extracted from the cell walls of certain Rhodophyceae algae, also known as agarophyte seaweeds. Its chemical structure gives agarose the capacity to form very strong gels even at low concentrations. These gels have a macroreticular structure with a very open mesh, which can be adjusted simply by varying the concentration of agarose.

The macroreticulate of the agarose gel is formed by hydrogen bonds, which makes the gel thermo-reversible, thus it melts upon heating. The hysteresis – difference between gelling and melting temperature – is greater than in any other hydrocolloid. In addition, the absence of ionic groups makes the gel a neutral structure, thus avoiding interactions with hydrophilic macromolecules, which migrate through the gel mesh.

All applications for agarose take advantage of the special characteristics of the macro reticular gel. It is used as a sieve or a support through which biological macromolecules such as proteins or nucleic acids can pass. Larger particles, such as viruses and sub-cellular fragments, are also able to move through the gel network.

Low Melting Agarose

Used to recover DNA fragments after gel electrophoresis.

Gelling temperature: 26.9°C

Melting temperature: 68°C

EEO: 0.11

Storage: Room temperature

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612600200101730	FC37	Low Melting Agarose (DNase, RNase Free), 10g	4200
612600201001730	FC37B	Low Melting Agarose (DNase, RNase Free), 100g	33930
612600501001730	AGE2	Agarose for Nucleic Acid Electrophoresis – 100g	5450
612600502501730	AGE3	Agarose for Nucleic Acid Electrophoresis – 250g	12320
612600510001730	AGE4	Agarose for Nucleic Acid Electrophoresis – 1000g	41040

High Resolution Agarose

Used for resolution of PCR products and small DNA fragments that differ in size by 2% between 20bp and 800bp. It has an intermediate melting temperature (75°C) with twice the resolution capabilities of the finest-sieving agarose products and challenges polyacrylamide.

Analytical Specifications

Gelling temperature (3%) <35°C

Melting temperature (3%) <75°C

Gel strength (3%) >300 g/cm²

Storage: Room temperature

Applications

- High resolution separation of 20 bp-800 bp DNA fragments
- Recovery of fragments under 800 bp
- Fine analysis of PCR products
- AFLP, STR and tri- and tetranucleotide repeat analysis.
- Suggested Agarose Concentrations

Size Range (Base Pairs)	Agarose Concentration(%) 1X TAE Buffer	Agarose Concentration(%) 1X TBE Buffer
150-800	2.0	1.8
100-600	3.0	2.0
50-250	4.0	3.0
20-130	5.0	4.0
<80	-	5.0

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612600301001730	HAG4	High Resolution Agarose, 100g	55200

Buffers for Electrophoresis

5X TBE

10 X TBE (Tris borate EDTA) is clear and colourless solution used for agarose gel electrophoresis at a working concentration of 1X.

Storage: Room temperature.

50X TAE

50X TAE (Tris acetate EDTA) is clear and colourless solution used for agarose gel electrophoresis at a working concentration of 1X.

Storage: Room temperature.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612601282001730	FC40	5X TBE, 200ml	1500
612601182001730	FC14	50X TAE, 200ml	2600

Gel Loading Buffers

The presence of Densifying agent in the DNA Gel Loading buffers ensures the sample is layered at the bottom of the well. The Metal ion binder binds divalent metal ions in the buffer inhibits nuclease action and protect the DNA. The 6X dyes help in Visual tracking of DNA migration during electrophoresis. No masking of the DNA during exposure to UV light. These dyes have applications in analysis of DNA samples or by Agarose and polyacrylamide gel electrophoresis.

6X Gel Loading Buffer

6X Gel Loading Buffer is used as DNA tracking dye in agarose gel electrophoresis at a working concentration of 0.5 - 1X. It consists of two dyes- Xylene Cyanol and Bromophenol blue.

Storage: RT, 4°C, long term storage at -20°C

6X Orange Gel Loading Buffer

6X Orange Gel Loading Buffer is a very useful dye in agarose gel electrophoresis at 1X concentration. It consists of one dye Orange G. The dye runs faster than Bromophenol blue and the mobility is approximately about 50 bp DNA fragment.

Storage: 4°C

5X RNA Gel Loading Buffer

5X RNA gel loading buffer is used as RNA tracking dye in agarose gel electrophoresis. The buffer consists of two dyes, bromophenol blue and xylene cyanol.

Storage: 4°C

6X Tri Gel Loading Buffer

6X Tri gel loading buffer is used to prepare DNA markers and samples for loading on agarose or polyacrylamide gels (native). It consists of three dyes- Xylene Cyanol, Bromophenol blue and Orange G.

Storage: 4°C

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612601480061730	FC15	6X Gel Loading Buffer, 6ml	2700
612601580061730	FC48	6X Orange Gel Loading Buffer, 6ml	2390
612601800011730	FC61	5X RNA Gel Loading Buffer (For Electrophoresis), 4 x 0.25 ml	3100
612601680061730	FC63	6X Tri Gel Loading Buffer, 6ml	2000

Nucleic Acid Staining Reagents

Ethidium Bromide

It is suitable for staining nucleic acids after electrophoresis or in cesium chloride gradient.

It is used to detect both double and single stranded nucleic acid.

Storage: RT, Protect from Light

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612600480101730	FC38	Ethidium Bromide, 10mg	2080

Nucleic Acid Agarose Gel Electrophoresis Kit

The kit consists of all the components required for agarose gel electrophoresis.

The kit components are sufficient to prepare 25, 1% agarose gels of 100 ml each.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
612602300011730	EGK6	Nucleic Acid Agarose Gel Electrophoresis Kit (consumables) (with Ethidium bromide), 25 gels of 100ml	8640

Buffers for – Cloning and Expression

Cat #	Product	Unit Price ₹
613602000051730	CHAPS, Molecular Biology Grade, 5g	2940
613601505001730	HEPES Sodium Salt, Molecular Biology Grade	13460
613601405001730	HEPES, Molecular Biology Grade, 500g	8630
613601905001730	MOPS Sodium salt, Molecular Biology Grade	15540
613601805001730	MOPS, Molecular Biology Grade, 500g	10080
613601605001730	PIPES, Molecular Biology Grade, 500g	10500
613600710001730	Tris base, Molecular biology grade, 1 Kg	6720
613600750001730	Tris Base, Molecular Biology Grade, 5 Kg	29000
613601310001730	Tris HCl, Molecular Biology Grade, 1 Kg	8060

Other products – Nucleic Acid electrophoresis and purification

Cat #	Product	Unit Price ₹
612602580061730	6X CRESOL RED DNA LOADING DYE (6X 1ML)	1840
612600502501730	AGAROSE FOR NUCLEIC ACID ELECTROPHORESIS	12320
612600510001730	AGAROSE FOR NUCLEIC ACID ELECTROPHORESIS	41040
612600501001730	AGAROSE FOR NUCLEIC ACID ELECTROPHORESIS	5450
612602100011730	GeNei™ DNA Silver staining Kit	7130
612660370501730	LAMBDA DNA / ECOR I/HIND III DOUBLE DIGEST	2270
612150581001730	Proteinase K Solution, 5 X 1 ml (20mg/ml)	6560
612150181001730	Proteinase K, 100mg	5940
612150100011730	Proteinase K, 1g	58960
612150180251730	Proteinase K, 25mg	2310

Proteomic

Protein Related Products

Immunology research kits are aimed at helping our scientists to perform certain frequently used techniques in biological studies with greater ease. These kits are in 'ready to use' format with well standardized protocol and matched reagents for optimum results.

GST-Fusion Protein Purification Kit

This kit is designed for rapid and efficient purification of Glutathione S-Transferase (GST) fusion protein from bacteria. The GST fusion protein from bacterial lysate is adsorbed on to Glutathione column. The column is washed and the protein is eluted using Elution Buffer.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
622160600011730	KT64	GST - Fusion Protein Purification Kit, 5 preps	10180

His-Tag Fusion Protein Purification Kit

This kit is designed for rapid and efficient purification of Histidine hexamer-tagged (His-tag) fusion protein from bacteria. The His-Tag fusion protein from bacterial lysate is adsorbed on to Nickel chelate immobilised column. The column is washed and the protein is eluted using elution buffer.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
622160700011730	KT65	His - Tag Fusion Protein Purification Kit, 5 preps	10270

Protein Estimation Kits

Protein Estimation Kit - BCA method

This Protein Estimation Kit is based on Bicinchoninic acid method. The method is most sensitive and detergent compatible. The sensitivity obtained using this kit is 0.01mg/ml. The kit includes ready to use reagents, protein standard (bovine serum albumin) and easy to follow protocol. The reagents provided are sufficient for 250 reaction tubes of 2 ml each.

Protein Estimation Kit - Lowry's method

This Protein Estimation Kit is based on Lowry's method which is simple and sensitive for soluble proteins. The sensitivity obtained using this kit is 0.05mg/ml. The kit includes ready to use reagents, protein standard (bovine serum albumin) and easy to follow protocol. The reagents provided are sufficient for 250 reaction tubes of 2 ml each.

Protein Estimation Kit

- Bradford macro method (New Improved)

This kit is based on Bradford reaction. The assay is simple, fast and reducing agent compatible. This assay has a sensitivity of 0.05 mg/ml. The reagents provided are sufficient for 250 reaction tubes of 2 ml each.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
622603100011730	KT31	Protein Estimation Kit by BCA Method, 250 reactions	7840
622603300011730	KT33	Protein Estimation Kit by Bradford Macro Method, 250 reactions	3820
622601800011730	KT18	Protein Estimation Kit by Lowry's Method, 250 reactions	3050

Native PAGE Reagent Kit (with marker)

A Complete reagent kit for Native PAGE Analysis. It is provided with Native PAGE marker.

Reagents supplied in the kit are sufficient to prepare 10 Native PAGE (7 x 7 cm gel size).

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623163100011730	ER31	Native PAGE Reagent Kit, with Marker, for 10 PAGEs	9900

Silver Staining Kit with Marker (Protein)

Silver staining kit provides fast, easy, reproducible and sensitive staining of proteins in SDS-PAGE gels. The kit contains ready to use solutions which minimizes preparation time and maximizes ease of use and reliability. The kit content is sufficient to stain 10 gels of 15 X 18 cm size.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623162300011730	ER23	Silver Staining Kit with Marker (Protein), for 10 PAGEs	8930

Western Blot Development Kits

The Western Blot Development Kits are based on the use of biotinylated secondary antibody, Streptavidin - ALP probe and BCIP/NBT substrate which gives blue coloured insoluble product with ALP. The ready to use reagents in the kit offer convenience and ease in immunodetection of blotted proteins using primary antibody from human, mouse and rabbit with greater sensitivity and low background.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
622601300011730	KT13	Western Blot Development Kit for Human Antibody, 10 blots	11250
622601400011730	KT14	Western Blot Development Kit for Mouse Antibody, 10 blots	11250
622601500011730	KT15	Western Blot Development Kit for Rabbit Antibody, 10 blots	11250

Polyclonal Antibody Purification Kit (Protein A Based)

The Polyclonal Antibody Purification Kit is based on binding of IgG to immobilized Protein A and then eluting it under mild condition. The kit enables easy, rapid isolation of IgG from serum or ascites fluid. The IgG obtained is of highest purity with minimal damage. The kit contains all materials/reagents required for purification of a minimum of five batches of IgG.

The kit can be used to purify antibody or IgG which binds to protein A.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
622160100021730	KT16	IgG Purification Kit (Protein A Based), 2ml column	12130

Monoclonal IgG Purification Kit

Monoclonal IgG Purification Kit is based on the affinity of IgG in monoclonal culture supernatant or ascites fluid to bind to Protein A-Sepharose at high salt concentration and elute at low pH. The kit enables easy isolation of highly pure IgG1 fraction from the above sources.

The kit contains all materials and reagents required for purification of 3 batches of IgG.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
622160500011730	KT188	Monoclonal IgG Purification Kit, 3 preps	27720

Immunoglobulin Purification Kit (Thiophilic Column)

Immunoglobulin purification kit is used for extracting immunoglobulins from serum of mammalian or avian species. The kit is based on the ability of thiophilic column to bind immunoglobulins from variety of species.

The kit contains all materials and reagents required for purification of 3 batches of IgG.

Storage: 4°C.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
622160300011730	KT38	Immunoglobulin Purification Kit (Thiophilic Column), 3 preps	9260

Protein A based Immunoprecipitation Kit

Protein A Immunoprecipitation Kit provides a versatile set of reagents that can be used for a variety of Immunoprecipitation applications. A protease inhibitor cocktail has also been included to minimize the loss of target protein due to protease activity during lysis.

The kit content is sufficient for 20 immunoprecipitations.

Storage: 4°C

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
621660400011730	KT144	Protein A Immunoprecipitation Kit, 20 preps	10380

Protein Molecular Weight Markers

Protein Molecular Weight Markers are helpful for sizing proteins by Polyacrylamide gel electrophoresis (PAGE). These are prepared from highly purified and individually screened proteins. They are offered in four ranges.

The bands can be visualized by staining with Coomassie Brilliant Blue R-250. The markers are supplied as solution having each protein at a concentration of 0.25 to 1 mg/ml, giving bands of comparable intensity.

Instructions to load: 20ml per well

Ready-to-use Protein Molecular Weight Marker

The Ready to use Protein Molecular Weight Marker is a mixture of purified proteins supplied, pre-diluted with sample loading buffer for direct loading to an SDS-polyacrylamide gel (SDS-PAGE). The proteins resolve into sharp bands and can be visualised by Coomassie Blue / Eze Blue staining.

Proteins Present	Molecular Weight on SDS PAGE (Da)
Myosin, Rabbit Muscle	205,000
Phosphorylase b	97,400
Bovine Serum Albumin	66,000
Ovalbumin	43,000
Carbonic Anhydrase	29,000
Soyabean Trypsin Inhibitor	20,100
Lysozyme	14,300
Aprotinin	6,500
Insulin (α and β chains)	3,000
	(2300 - 3500)

Instructions to load: 20ml per well

Storage: -20°C

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
Protein Molecular Weight Marker			
623110475001730	PMWB	Protein Molecular Weight Marker, Broad Range (50 lanes), 0.5ml	5200
623110472501730	PMWB1	Protein Molecular Weight Marker, Broad Range (25 lanes), 0.25ml	3780
623110175001730	PMWL	Protein Molecular Weight Marker, Lower Range (50 lanes), 0.5ml	3890
623110275001730	PMWM	Protein Molecular Weight Marker, Medium Range (50 lanes), 0.5ml	4370
623110375001730	PMWH	Protein Molecular Weight Marker, Higher Range (50 lanes), 0.5ml	3990
Ready-to-use Protein Molecular Weight Marker			
623111275001730	RPMWM	Ready to use PMW Marker, Medium Range, (25 lanes), 0.5ml	3050
623111375001730	RPMWH	Ready to use PMW Marker, Higher Range, (25 lanes), 0.5ml	3570

Protein Molecular Weight Marker, Medium range for Silver Staining

This marker is designed for molecular weight determinations on SDS-PAGE gels by silver staining. Proteins supplied in this marker range from 6000 Da to 97400 Da. The marker is formulated to yield a distribution of well defined bands of almost equal intensity with low background after electrophoresis and staining using Silver staining kit (Cat # 105367).

Proteins Present	Molecular Weight on SDS PAGE (Da)
Phosphorylase B	97,400
Bovine Serum Albumin	66,000
Ovalbumin	43,000
Carbonic Anhydrase	29,000
Lactoglobulin	18,400
Aprotinin	6,500

Storage: -20°C.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623110572501730	PMWSS	Protein Molecular Weight Marker, for Silver Staining (25 lanes), 0.25ml	6510

Native PAGE Protein Molecular Weight Marker

Native PAGE Marker is to determine the molecular weight of proteins separated on Poly-acrylamide gel in their native state. The marker is a set of 5 proteins supplied individually with molecular weight ranging from 240,000- 18,400 Daltons.

Proteins Present	Molecular Weight in Daltons
Catalase	240,000
Bovine Albumin	67,000
Egg Albumin	43,000
Trypsin Soyabean Inhibitor	20,100
Lactoglobulin	18,400

Instructions to load: 20ml per well

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623110600011730	PMWN	Native PAGE Protein Molecular Weight Marker, 5 x 0.5ml	3920

PROTEIN MOLECULAR WEIGHT MARKERS

Selection Guide

Wide Range of Marker for Poly-Acrylamide Gel Electrophoresis

Protein Markers are available for various Protein Electrophoresis Applications, stringently screened to ensure consistent band intensity and migration.

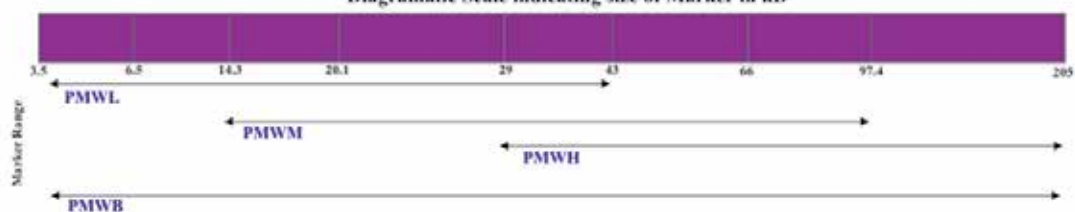
UNSTAINED PROTEIN MARKERS FOR ACCURATE SIZING				PRE-STAINED PROTEIN MARKER	MARKER FOR SILVER STAINING	SDS PAGE TRACK PROTEIN MARKER FOR EASY IDENTIFICATION	PROTEIN MARKER FOR WESTERN BLOTTING	FLUORESCENT PROTEIN MARKER	NATIVE PAGE PROTEIN MARKER
kD	kD	kD	kD	kD	kD	kD	kD	kD	kD
43	97.4	205	205	98	97.4	43	98	98	98
29	66	97.4	97.4	66	66	29	66	67	67
20.1	43	66	66	44	43	20.1	44	44	44
14.3	29	43	43	29	29	14.3	29	29	30
6.5	20.1	29	20.1	16	18.4	3.5	16	7.5	19
3.5	14.3	6.5	3.5	Dye Front	6.5	Before Staining	Dye Front		
After Staining									
Lower Range	Medium Range	Higher Range	Broad Range	Medium Range	Medium Range	Lower Range	Medium Range	Lower Range	Medium Range
PMWL	PMWM	PMWH	PMWB	PPMWM	PMWSS	RPMWL	PPMWM	CPMI	PMWF
									PMWN

SDS PAGE Track Marker

Feature: Leading and the trailing protein bands are colored

Advantage: To monitor electrophoretic run.

Diagrammatic Scale indicating size of Marker in kD



Application	Unstained Protein Marker				Pre-Stained Marker		Speciality Marker			
	Lower Range	Medium Range	Higher Range	Broad Range	Colored (Lower Range)	Pre-Stained	SDS-PAGE Track (Lower Range)	Fluorescent (Medium Range)	Silver Staining	Native PAGE
Molecular Weight Range (in kD)	3.5 - 43	14.3 - 97.4	29 - 205	3.0 - 205	6.5 - 66	15 - 98	3.5 - 43.5	18.4 - 97.4	18.4 - 97.4	18.4 - 240
8 - 20% Gradient SDS PAGE	Good	---	---	Best	---	---	---	---	---	---
15% SDS PAGE	Best	---	---	---	---	---	Best	---	---	---
12% SDS PAGE	---	Best	---	---	Best	Best	---	Best	Best	---
10% SDS PAGE	---	---	Good	---	Good	Good	---	Good	Good	Best
8% SDS PAGE	---	---	Best	---	---	---	---	---	---	---
Western Blotting	---	---	---	---	Good	Best	---	Best	---	---
Detection with UV Light	---	---	---	---	---	---	---	Best	---	---
Sharp Bands	Good	Best	Best	Best	Good	Best	Best	Best	Best	Good
Monitor Electrophoresis	---	---	---	---	Good	Best	Best	---	---	---
Silver Staining	---	---	---	---	---	---	---	---	Best	---
MW Estimation	Best	Best	Best	Best	Good	Good	Best	Good	Best	Good
PI No.	PMWL	PMWM	PMWH	PMWB	CPM-1	PPMWM	RPMWL	PMWF	PMWSS	PMWN

- Unstained Markers provide an accurate estimation of size.
- Pre-stained Markers are ideal for confirming the electrophoresis run and estimating the efficiency of transfer (blotting) onto a membrane.
- The size difference between unstained and pre-stained protein is 500-1000 Daltons, as the proteins have been saturated with dye to ensure consistent color intensity.

SDS PAGE Track Protein MW Marker (Low Range)

The Ready to use protein marker is a mixture of purified proteins supplied for direct loading on SDS PAGE. The leading and trailing proteins are coupled to small molecular weight dyes, enabling user to keep track during electrophoresis.

The Molecular weight of the proteins range from 3,500–43,500 Daltons.

Proteins Present	Molecular Weight in Daltons
Ovalbumin (colored)	43,000
Carbonic Anhydrase	29,000
Trypsin Inhibitor	20,100
Lysozyme	14,300
Insulin (colored)	3,500

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
62311175001730	PMWL	SDS PAGE Track Ready to use Protein Molecular Weight, 0.5ml (25 lanes)	3380

Coloured Protein Molecular weight Marker (for Western Blotting)

Coloured Protein Molecular Weight Markers are prepared by coupling small molecular weight dyes to proteins of known molecular weight. The molecular weights of the coloured proteins vary by 1000–2000 Da from the native protein.

The coloured marker is recommended to check protein mobility during SDS-PAGE and the position of the marker on nitrocellulose membrane on completion of protein transfer.

Proteins Present	Colour	Size of native protein (in Da) without dye
Bovine Serum Albumin	Red	68,000
Ovalbumin	Orange	44,000
Glutathione-S-transferase	Blue	29,000
Lactoglobulin	Blue	20,000
Aprotinin	Red	7,500

Storage: –20°C.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623112175001730	CPM1	Coloured Protein Molecular Weight Marker, (7 kD – 70 kD) 0.5ml, 25 lanes	6160

Electrophoresis Chemicals Acrylamide

Acrylamide

C_3H_5NO , FW 71.08.

Electrophoresis grade,

Acrylic acid content <0.005%.

Conductivity of a 40% solution is <5 μ mho

Bis-acrylamide

N,N'-Methylene-bis-Acrylamide,

$C_7H_{10}N_2O_2$, FW 154.2.

Electrophoresis grade,

Acrylic acid content <0.1%.

Conductivity of a 2% solution is <10 μ mho

Acrylamide/Bis-acrylamide Solutions

Acrylamide/bis-acrylamide solution at 30% concentration with different proportions are prepared in ultrapure water using electrophoresis grade acrylamide and bis-acrylamide. The solutions are sterile filtered and packed aseptically.

Storage: 4°C

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623171301001730	ER13	Acrylamide, 100g	3520
623171400101730	ER14	Bis-acrylamide, 10g	1760
623100181001730	ER01	Acrylamide/bis-acrylamide solution 30%, 19:1 ratio, 100ml	2580
623100281001730	ER02	Acrylamide/bis-acrylamide solution 30%, 29:1 ratio, 100ml	2700

TEMED (N,N,N',N'-Tetramethylethylenediamine)

TEMED is a polymerization accelerator used with APS for polyacrylamide gel formation. TEMED is packed dry under nitrogen.

Storage: 4°C in dark

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623171100101730	ER11B	Ammonium persulphate (bulk pack), 10g	4730
623171280051730	ER12S	TEMED, 5ml	4410

Ammonium persulphate (APS)

APS, a polymerization initiator used with TEMED for polyacrylamide gel formation. APS is packed dry under nitrogen.

Storage: Desiccate at room temperature.

Buffers, Staining and Fixing Solutions (PAGE)

Tris – SDS, pH 8.8

1.5 M Tris – HCl, pH 8.8 with 0.4% sodium dodecyl sulfate (SDS). This buffer is used for casting separating gel for SDS-PAGE.

Storage: 4°C

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623100481001730	ER04	Tris-SDS, pH 8.8, 100ml	2510

Tris-Glycine-SDS Buffer (10X concentrate).

This buffer is used as electrode chamber buffer for SDS-PAGE at 1X concentration.

Storage: 4°C

Cat #	PI #	Product	Unit Price ₹
623100690011730	ER06	Tris-glycine-SDS buffer, 1000ml	3570

Sample Buffer, for SDS-PAGE (5X concentrate).

Sample buffer is supplied at 5X concentration. This is used to prepare protein samples for SDS-PAGE analysis.

Storage: –20°C

Solutions for casting Separating gel

	Composition in ml for 10 ml Running gel				
Gel Concentration	6%	8%	10%	12%	15%
Deionized water	5.4	4.7	4.1	3.4	2.4
30% Acrylamide Mix*	2.0	2.7	3.3	4.0	5.0
1.5 M Tris, pH 8.8, 0.4% SDS	2.5	2.5	2.5	2.5	2.5
10% APS	0.1	0.1	0.1	0.1	0.1
TEMED	0.008	0.006	0.004	0.004	0.004

Solutions for casting Stacking gel

	Composition in ml for 5% Stacking gel	
Deionized water	3.45	6.9
30% Acrylamide Mix*	0.83	1.7
1.0 M Tris, pH 6.8, 0.8% SDS	0.63	1.25
10% APS	0.05	0.1
TEMED	0.005	0.01
Final Volume	5 ml	10ml

* Commonly used acrylamide solution has acrylamide and bis-acrylamide in 36.5:1 ratio for protein molecular weight > 30,000 Da, for low molecular weight proteins recommended acrylamide & bisacrylamide ratio is 29:1.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623100780101730	ER07	Sample buffer for SDS PAGE, 10ml	2460

Ezee Blue Gel Stainer (No destaining required)

This is a ready-to-use brilliant blue G-250 based protein stain for 'one-step' detection of protein bands on polyacrylamide gels. The staining is complete in 30 to 60 minutes. No fixing and destaining required.

Ezee Blue stains only proteins with relatively clean background, so protein bands are seen during staining. An optional destaining with water can be done to improve the sensitivity.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
623102485001730	ER24	Ezeeblue Gel Stainer (No destaining required), 500ml	4030

Recommended composition of separating and stacking gel for Tris/Glycine SDS- PAGE.

Buffers, Staining and Fixing Solutions (Western Blotting) Ready to Use Ponceau-S Stain (For Western Blotting)

Ponceau-S is a dye used for rapid and reversible staining of protein bands transferred on to nitrocellulose membranes, PVDF and cellulose acetate membranes. It is used to confirm transfer of protein bands from SDS-PAGE on to the membrane after electroblotting and before proceeding with immunological detection. It can also be used to mark and cut lanes on the nitrocellulose membrane before probing with different antibodies. The staining is reversible, by rinsing the membrane in excess water.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
622652982501730	ER29	Ready to Use Ponceau-S Stain 250 ml	1970

AFFINITY MATRICES

Affinity matrices are prepared by coupling biologically active ligands to activated cross linked agarose (CL agarose) using appropriate method. The method adapted include cyanogen bromide (CNBr), epoxy and divinylsulfone activation methods and triazine condensation reaction.

Gel suspension

The ligand immobilized CL agarose are provided as pre-swollen 50 % suspension (v/v) in aqueous medium. The volume always refers to the settled gel volume.

Pre-packed column

The affinity matrices are provided as ready to use pre-packed columns in biocompatible polypropylene columns.

Antibody – CL Agarose

Affinity purified antibodies to IgGs, GST or E.coli proteins are coupled to CL agarose. One ml gel has a binding capacity of 0.3-0.5 mg of corresponding antigen.

BSA – CL Agarose

This matrix is useful in purifying hapten antibodies by absorbing the contaminating antibodies or binding proteins to BSA. Amount of BSA coupled to CL agarose is in the range of 8-10 mg per ml. 1 ml has a binding capacity 10-13 mg of corresponding antibody.

Protein G CL Agarose

Protein G CL Agarose is prepared by covalent immobilization of recombinant protein G onto CL Agarose.

The protein G is truncated to eliminate the albumin binding domains and retain efficient binding of the F_c region of IgG.

The binding capacity for human IgG is in the range of 8-12 mg/ml.

Cibacron Blue 3 GA – CL Agarose

Reactive dyes mimic biological substances such as substrates, co-factors, effectors and thereby produce the affinity effect. Cibacron Blue – CL Agarose binds NAD⁺ dependent enzymes. The binding capacity for serum albumin is 4-6 mg/ml.

Concanavalin A- CL Agarose

A wide variety of soluble glycoprotein and other carbohydrate containing substances have been isolated using lectin – CL agarose.

Con A-CL agarose binds molecules that contain α -D-mannose, α-D-glucose. The bound proteins can be eluted with same sugar. Con A-CL agarose is prepared by coupling Concanavalin A, a lectin isolated from jack bean to crosslinked agarose. The binding capacity depends upon the material used. The binding capacity for ovalbumin is 3-5 mg/ml drained gel.

Affinity Matrices for Tags GST-Tag

Immobilized Glutathione is beaded agarose resin to which glutathione is covalently attached for affinity purification of glutathione S-transferase (GST) and GST fusion proteins expressed in *E.coli*, insect cells and mammalian cells.

Specification:

Application	Affinity chromatography (purification of GST-Tagged Proteins)
Ligand	Glutathione, linked via sulfur atom
Format	50% suspension
Matrix	4% beaded agarose
Binding capacity*	>10 mg GST/ml medium
Storage temperature	4-8°C

His-Tag

Immobilized metal ion adsorption chromatography (IMAC) or Metal chelate affinity chromatography (MCAC) is a sensitive technique applicable, especially for Histidine fusion proteins, but generally applicable to most proteins. In this technique, the gel is first charged with transition metal ions to form a chelate. Proteins will bind to the gel depending upon the presence of surface histidine, cysteine, and tryptophan residues that have an affinity for the chelated metal ions. It is useful for purifying membrane proteins and protein aggregates where detergents or high ionic strength buffers are required. Highly selective affinities, depend upon metal ions such as Cu²⁺, Zn²⁺, Ni²⁺, Ca²⁺, Co²⁺, Mg²⁺, etc.

The binding strength is affected predominantly by the species of metal ion and pH of the buffers. Since the metal ions are strongly bound to the matrix, the adsorbed protein can be eluted by competitive elution or lowering the pH. Strong chelating agents may also be used. This technique can readily be performed with either native or denatured proteins.

Genie supplies (metal chelating matrices) IDA (Iminodiacetic acid)-CL Agarose. IDA is a tridentate ligand at physiological pH. In the presence of the electron donor, immobilized IDA forms octahedral complexes with divalent metal ions. In this case however, the histidine containing protein must furnish 3 co-ordination bonds to the metal ion of the complex. This results in a small selective binding due to the histidine residues of the proteins of interest while other amino-acid residues such as cysteine, lysine, tryptophan can also occupy other free sites. The elution of histidine containing proteins of interest requires a high concentration of Imidazole for breaking all the 3 co-ordination bonds. The gel has a capacity to chelate 50-100 mmole of Ni²⁺.

TED Agarose (tris-carboxymethyl ethylene diamine)

Ni- TED CL Agarose is useful in purification of recombinant poly-histidine tagged proteins by IMAC technology.

Highlights:

- High Specificity - due to single binding site for His-tagged protein
- Low metal leaching - 5 binding sites to Ni²⁺
- High Purity
- Matrix can be stored at Room temperature

Specification:

	Ni-TED Agarose
Application	Affinity Purification of poly-histidine tagged proteins by IMAC technology
Chelating group	TED
Binding capacity	12-15mg/ml
Matrix	CL agarose
Physical form	Re-suspended with equal amount of buffer and gel pre-charged with Ni ²⁺
pH stability	3-8.5
Storage	4°C
Recommended imidazole concentration for load/wash	0mM
Recommended imidazole concentration for elution	200-250mM

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
622110180011730	LIA1S	Protein A - CL Agarose 1 ml	5040
622110180051730	LIA1M	Protein A - CL Agarose 5 ml	18400
622120100011730	PC201	Protein A - CL Agarose Pre-packed column 2 ml	10240
622111180051730	LIA43M	Protein G CL Agarose, 2 ml	29210
622120900011730	PC509	Con A - CL Agarose Pre-packed column, 5 ml	8250
622110480051730	LIA35	Glutathione - CL Agarose, 5 ml	10670
622110580051730	LIA37	Nickel - CL Agarose, 5 ml	8400

Protein Desalting Columns

These are ready to use gel filtration columns with gel of very low exclusion limit, suitable for rapid desalting or buffer exchange of proteins. These columns provide a simple and time saving alternative to dialysis for smaller sample volumes. Column of four sizes are provided to suit different volumes.

Ordering Information:

Cat #	PI. #	Product	Unit Price ₹
Protein Desalting Columns			
622122300041730	DS03	Desalting Column (10 ml) 4 Nos	11770

Monoclonal Antibodies

Monoclonal anti-Bovine Serum Albumin (BSA) Clone # 2H4E1

This antibody is produced using a peptide conjugated to BSA as immunogen. It is highly reactive with the 65 kDa protein in immunoblotting. It may be used in ELISA and when purified, immunoaffinity purification or adsorption of BSA from biological fluids. This antibody is of IgM isotype.

Working dilution in the range of:

Neat-1:2 in ELISA

Neat-1:2 in immunoblotting

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
620100675001730	MO503	Monoclonal anti-Bovine Serum Albumin (BSA) Clone # 2H4E1 0.5 ml	9610

Polyclonal Antibodies

Nomenclature of polyclonal antibody in this catalogue follows the syntax "Host anti antigen". Thus "rabbit anti human IgG" refers to antibody against "human IgG" raised in rabbit. Genei's polyclonal antibodies are raised against pure antigen using carefully selected animals and optimal long-term immunization protocol.

The antibodies are raised in rabbit or goat and isolated from serum.

Antibody Forms	Whole Serum	Affinity Purified
Description	Pool of selected sera from mimmunized animals.	Antibodies are isolated from serum by antigen affinity chromatography with minimal cross reactivity. Active antibody is checked by QPA. from
Presentation	Serum with 0.05% sodium azide.	Solution in PBS
Titre by QPA	2.0 - 5 mg/ml	Active antibody >90%
Storage	-20°C	-20°C.

Antibodies to Whole serum

Antibodies to human and animal whole serum are developed in rabbit and goat. The antibodies are evaluated by IEP and ODD. These antibodies are used in immunological techniques as controls and in preparation of immunological reagents. The antibodies are presented as whole serum.

Antibodies to Immunoglobulins

(Secondary Antibodies)

These antibodies are developed against human and animal immunoglobulin-G (IgG) and chicken IgY. Pure IgG isolated from normal serum or IgY isolated from chicken egg yolk are used as an antigen to raise these antibodies. These antibodies are used as secondary antibodies in various immunological techniques such as RIA, ELISA, Western blotting, immunohistochemistry, etc.

Evaluations of the antibodies are done using two or more of the following tests. Ouchterlony double diffusion (ODD), immunoelectrophoresis (IEP), quantitative precipitin analysis (QPA), ELISA and Western Blotting tests. The secondary antibodies developed in goat and rabbit are supplied in the following forms with minimum or no cross reaction.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
anti Human IgG			
620600380051730	AS3M	Goat anti-human IgG (whole serum), 5 ml	4040
620600280051730	AS2M	Rabbit anti-human IgG (whole serum), 5 ml	5250
620610380051730	AA3M	Goat anti-human IgG (Affinity Purified), 5 mg	5890

Cat #	Pl. #	Product	Unit Price ₹
anti Bovine IgG			
620600780051730	AS7M	Rabbit anti-bovine IgG (whole serum), 5 ml	4730
anti Mouse IgG			
620600680251730	AS6L	Goat anti-mouse IgG (whole serum), 25 ml	14540
620610680051730	AA6M	Goat anti-mouse IgG (Affinity Purified), 5 mg	7090
anti Rabbit IgG			
620600580051730	AS5M	Goat anti-rabbit IgG (whole serum), 5 ml	
620610580051730	AA5M	Goat anti-rabbit IgG (Affinity Purified), 5 mg	5890
anti GST (Glutathione S-Transferase) anti Whole Serum			
620601280051730	AS22S	Rabbit anti-human serum, 5 ml	3260

Conjugates of Secondary Antibodies, Protein A, Avidin, Streptavidin or Biotin

Secondary antibody conjugates:

Secondary antibodies used in the conjugation are purified by immuno-affinity chromatography using antigen linked Sepharose®. Proteins having high activity and more than 95 % purity, are used for the conjugation. This process yields specific antibodies with high avidity and minimum cross-reaction with other molecules. Conjugates of these antibodies react only with immunoglobulin-G.

Conjugates absorbed with other species serum proteins:

Selected secondary antibodies have been subjected to additional purification by passing them through Sepharose® coupled with serum proteins of other species. This additional step, minimizes the cross reactivity with immunoglobulins of other species.

Conjugates of other proteins:

Protein A, avidin and streptavidin are conjugated with ALP, HRP and FITC and lectins are conjugated with FITC and biotin.

Conjugates for detection of recombinant proteins:

Please refer index

Titration of the conjugates

Direct Elisa (dELISA):

Direct ELISA using 0.5µg/100µl antigen coated wells and 100 µl diluted conjugates. The conjugate is allowed to bind for 30 minutes at room temperature and then bound conjugate is estimated by using appropriate substrate. Substrates used are p-nitrophenyl phosphate (Cat# 106039) 1 mg/ml in 1 M diethanolamine, for ALP and TMB/H₂O₂ (Cat # 106035) or OPD 1 mg/ml in citrate phosphate buffer, for HRP. The dilution, which corresponds to an OD between 1.0 & 1.2 in ELISA reader is quoted as titre.

Direct immunoblot development (DIBD):

20 ng of antigen is spotted on NC membrane blocked with 3-5% skimmed milk. The strip is incubated with diluted conjugate, washed and developed with appropriate substrate. BCIP/NBT (Cat # 106036) is used for ALP and TMB/H₂O₂ (Cat # 106037) is used for HRP. The maximum dilution of conjugate at which a visible antigen spot appeared is quoted as the titre.

Western Blot (WB):

Western blot is done using antigen 10 µg/lane on SDS PAGE and blot development with appropriate conjugate and substrate. The maximum dilution of conjugate at which a visible antigen band appeared is quoted as the titre.

Enzyme Conjugates:

Label	ALP	HRP
Source	Calf intestinal mucosa	Horseradish
Activity	4000 - 5000 DEA units/mg	200 - 250 purpurogallin units/mg
Conjugation method	Maleimide	Periodate
Molar Incorporation	1 - 2	2 - 3
Antibody/protein conc.	0.5 - 1.5 mg/ml	0.8 - 1.2 mg/ml
Storage	4° C	4° C
Titre	dELISA 1:10000 to 1:20000	dELISA 1:15000 to 1:25000
	DIBD 1:10000 to 1:15000	DIBD 1:15000 to 1:20000
	WB 1:8000 to 1:15000	WB 1:2000 to 1:5000
Applications	Elisa, Blot development, Immunohistochemistry	Elisa, Blot development, Immunohistochemistry

Fluorochrome Conjugates

Label	FITC	TRITC
Excitation Maximum λ nm	494	541
Emission Maximum λ nm	520	572
Conjugation method	Thiocyanate	Thiocyanate
Molar Incorporation	2 - 5	0.5 - 3
Antibody or protein	1 - 1.2 mg/ml	1 - 2 mg/ml concentration
Storage	4°C	4°C
Titre	PIFA 1:40 to 1:80	PIFA 1:40 to 1:80
Applications	Immunohistochemistry Immunocytochemistry	Immunohistochemistry Immunocytochemistry

Biotin Conjugates

Label	Biotin
Conjugation method	Succinimide
Spacer length	6 atom
Molar Incorporation	2 - 5
Antibody/protein conc.	0.75 - 2 mg/ml
Storage	-20° C
Titre in ELISA	1:10000 - 1:20000
Applications	ELISA, Blot development, Immunohistochemistry

Gold Conjugates

(Goat anti-rabbit IgG-Gold, Goat anti-mouse IgG-gold, Goat anti-human, IgG-gold, Protein A-gold)

Secondary antibodies :

Antibodies are purified by Immuno-affinity chromatography, using antigen linked Agarose columns and further adsorbed by passing through other species serum proteins matrix to reduce nonspecific binding. The purified antibody is labeled with colloidal gold. Gold particles are mono-disperse and of moderate size (mean ≥ 15nm), making the conjugate highly sensitive

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
anti Goat IgG Conjugates			
621100680011730	ALP6M	Rabbit anti-goat IgG – ALP, 1 ml	10640
621140480011730	HPO4	Rabbit anti-goat IgG – HRP, 1 ml	4910
anti Horse IgG Conjugate			
621141380011730	HPO13	Rabbit anti-horse IgG – HRP, 1 ml	4950
anti Human IgG Conjugates*			
621140180011730	HPO1	Rabbit anti-human IgG – HRP, 1 ml	4400
*The antibodies used for these conjugates are specific to FC fragment of human IgG.			
anti Mouse IgG Conjugates			
621100480011730	ALP4M	Goat anti-mouse IgG – ALP, 1 ml	12650
621100980011730	ALP9M	Rabbit anti-mouse IgG – ALP, 1 ml	12420
621120380011730	FTC3	Goat anti-mouse IgG – FITC, 1 ml	4770
621140680011730	HPO6	Goat anti-mouse IgG – HRP, 1 ml	5450
621142175001730	HPO21	Goat anti-mouse IgG – HRP, Adsorbed with Bovine, Human, Rabbit serum proteins, 0.5 ml	5250
621140580011730	HPO5	Rabbit anti-mouse IgG – HRP, 1 ml	5180
anti Rabbit IgG Conjugates			
621100180011730	ALP1	Goat anti-rabbit IgG – ALP, 1 ml	10930
621110280011730	BA2	Goat anti-rabbit IgG – biotin, 1 ml	5350
621120280011730	FTC2	Goat anti-rabbit IgG – FITC, 1 ml	4140
621140380011730	HPO3	Goat anti-rabbit IgG – HRP, 1 ml	4540
621142075001730	HPO20	Goat anti-rabbit IgG – HRP, Adsorbed with Bovine, Human, Mouse serum proteins, 0.5 ml	4990
anti Rat IgG Conjugates			
621141480011730	HPO14	Rabbit anti-rat IgG – HRP, 1 ml	4840
Streptavidin Conjugates			
621100575001730	ALP5	Streptavidin – ALP, 0.5 ml	7880
621140975001730	HPO9	Streptavidin – HRP, 0.5 ml	5500

Enzymes and Substrates Enzymes For ELISA

Alkaline Phosphatase

Alkaline phosphatase is purified from calf intestinal mucosa. Activity is 4500 to 6000 DEA Units per mg protein. The enzyme is supplied as a solution in 50% glycerol, containing 5 mM Tris (pH 7.0), 5 mM magnesium chloride and 0.1 mM zinc chloride.

The enzyme has been extensively used in the preparation of immunologicals.

Storage: 4°C. Do not freeze.

Horseradish Peroxidase

Enzyme Peroxidase is purified from horseradish. The preparation is essentially salt free.

RZ value is > 3.0. Activity is 200-300 purpurogallin units per mg solid. The enzyme has been extensively used in the preparation of immunologicals.

Storage: -20°C.

Ordering Information:

Cat #	Pl #	Product	Unit Price ₹
621650180051730	EE1L	Alkaline phosphatase, 5mg	31260

Substrates for ELISA

These products are supplied in liquid form and hence the need to weigh and prepare buffers or additional reagents before use is avoided.

TMB/H₂O₂ – For ELISA (20X)

(Tetramethyl benzidine/Hydrogen Peroxide)

TMB is a non-carcinogenic chromogen used in assays involving Horseradish Peroxidase enzyme. TMB/H₂O₂ – for ELISA produces a soluble blue colored product with HRP. The reaction is stopped with H₂SO₄ and the resulting yellow color is read at 450nm. This reagent is supplied at 20X concentration. Dilute 20 fold in distilled water just before use.

Storage: 4°C in dark.

Ordering Information:

Cat #	Pl #	Product	Unit Price ₹
621610180101730	SFE1	TMB/H ₂ O ₂ for Elisa (20 X Conc.), 10 ml	3120

Substrate for Western Blotting BCIP/NBT

(5-bromo-4-chloro-3-indolyl phosphate/nitro blue tetrazolium)

Used in assays involving Alkaline Phosphatase enzyme and where an insoluble product is desirable. The reaction produces a bluish grey to black precipitate depending upon the enzyme concentration. This is supplied as a ready to use solution.

Storage: 4°C in dark.

TMB/H₂O₂ – For localization of HRP

TMB/H₂O₂ – For localization of HRP is supplied in a stabilized medium which produces blue stain on reacting with HRP. This substrate is useful in development of blots using HRP conjugates. The reagent is supplied as 10X concentrate. Dilute 10 fold in distilled water just before use.

DAB System

3-3'-diaminobenzidine tetrahydrochloride (DAB) is a substrate for horseradish peroxidase which yields a colored deposit which is insoluble in alcohol and xylene. It is a suitable substrate for immunomicroscopy. DAB is suitably packed so as to avoid unnecessary handling of DAB by investigator.

System contains the following

DAB	: 10 x 6 mg
Hydrogen peroxide	: 0.5 ml
Dilution buffer	: 100 ml

Storage: 4°C in dark.

DAB (50X)

3-3'- diaminobenzidine tetrahydrochloride substrate is useful for detection of HRP. It is suitable for staining tissue sections and for blot development using nitrocellulose, nylon and other membranes.

Highlights:

- Very High Sensitivity
- Low Background, High Intensity

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
621610280501730	SFE2	BCIP / NBT, 50ml	3120
621610380101730	SFE3	TMB/H ₂ O ₂ for localization, 10ml	3050
621610500011730	SFE5	DAB System (Buffer + Substrate + Chromogen + Metal Enhancer), 10 x 6mg	5040
621610900011730	SFE9	DAB For ELISA (50X), 2ml	6380

Normal Sera

Normal Sera are produced from healthy, nonimmunized animals and packed aseptically. Supplied with 0.05% Sodium azide.

Storage: -20°C.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
621630180101730	NS1	Goat Serum, 10ml	3270
621630380101730	NS3	Rabbit serum, 10ml	2740

Adjuvants

Freund's Incomplete Adjuvant

Freund's incomplete adjuvant is a mixture of mineral oil and mannide monooleate. The adjuvant is used for making emulsion of immunogen. The emulsified immunogen on injecting into host causes slow release of immunogen causing high and long lasting antibody response.

Freund's Complete Adjuvant

Freund's Complete adjuvant contains 1 mg of heat killed and dried Mycobacterium smegmatis per ml of Freund's incomplete adjuvant.

Storage: Room temperature.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
621640280401730	FIA	Freund's incomplete adjuvant, 40ml	6160
621640180401730	FCA	Freund's complete adjuvant, 40ml	7280

Proteins for Immunology Research

Albumin (Ovalbumin)

The albumin is purified from chicken egg white by repeated crystallization (normally for three times) till the protein purity is over 98% as analysed by polyacrylamide gel electrophoresis. Supplied as salt free lyophilized powder.

Lysozyme (Low nuclease activity)

The enzyme is known to hydrolyze β -1, 4 linkages between N-acetyl muramic acid and N-acetyl glucosamine in the cell wall of many micro organisms. The enzyme is useful for lysing gram positive and gram negative bacteria for subsequent isolation of nucleic acid. The enzyme is used in DNA extraction from E.coli. The cell lytic activity is 30,000 – 45,000 units per mg. Protein purity as tested by SDS gel electrophoresis is \geq 95%, M.W. 14,300 Da.

Storage: – 20°C

BSA (Bovine Serum Albumin)

Albumin fraction V purified from Bovine serum supplied is a lyophilized powder that appears pale yellow.

Molecular Weight: 68000 Da

Purity: 95% by SDS – PAGE

Application: BSA can be used as a standard, stabilizer and as a buffer component in immunological techniques.

Store: 4°C

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
621650500501730	B5	BSA(Bovine Serum Albumin), 50g	7670

Lectins

Lectins are multivalent carbohydrate binding proteins. Specific lectins bind to certain specific sugars. Due to sugar specificity the agglutination response of lectins is highly specific, making them valuable probes for identification of sugars on the surface of cells. Thus lectins have been used to discriminate between blood groups, transformed cells and also for certain other applications. All lectins are provided in purified lyophilized powder form.

Phytohemagglutinin

(From *Phaseolus vulgaris*, red kidney bean)

Phytohemagglutinin is supplied as a freeze dried powder of "P" form (PHA-P) which is a mixture of PHA-E and PHA-L.

Erythroagglutinin (PHA-E) has low mitogenic activity and high erythroagglutinating activity. Leucoagglutinin (PHA-L), has high mitogenic and low erythroagglutinating activity.

Storage: –20°C

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
621650980101730	LE6	Phytohaemagglutinin, 10mg	3470

Other products:

Cat #	PI #	Product	Unit Price ₹
620100275001730		Monoclonal anti-green fluorescent protein	10070

Custom Services

Bacterial Identification Service

Once isolated and purified, identification of the bacteria is an important aspect of research for the scientists. Checking the authenticity of cultures from time to time is also of major importance as contamination of stock cultures is common. We follow 16S rDNA-based protocol for identification of bacteria.

Identification is guaranteed up to genus level while species as well as strain identification would be possible.

Features:

- Based on 1500 bp of 16S-rDNA gene sequence analysis
- Identification based on 10 closest homolog bacterial sequence available in NCBI, gene bank.
- Similarity matrix as well as phylogenetic tree provided
- Fast and reliable service

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
105315_GB	CSER47	Bacterial Identification, Phylogenetic Tree, 10 nearest neighbour info as 1500 bp sequence data delivered, Per Sample	9750

Tax as applicable will be charged extra

Application Form for Bacterial Identification Service

Order No. / Date:

Name of the Scientist:

Institute / Address :

Contact No./Email Address :

Any preliminary identification information known about the sample:

Whether the sample is infectious: Yes/No.

How to send samples:

Purity of microbial sample is the key for accurate identification.

Please send the culture pellets in sterilized narrow mouth tubes or in form of plate of slant, 1.5 ml eppendorf vials sealed with parafilm/plugged or capped tightly.

Isolated DNA is preferable.

Grow around 5-10 ml of culture upto mid-log phase, pellet down cells in a 1.5 ml vial, decant the culture media completely, (if media remains in the vial it might lead to contamination), seal the tubes properly and send the cell pellet with the application form.

Ensure purity of the cell pellet before sending.

Please do not consider this application form as a purchase order

NOTE: Kindly send this application to the following address:

Merck Specialities Private Limited, No. 6, 6th Main, BDA Industrial Suburb, Near SRS Road, Peenya, Bangalore - 560058

Fungi Identification Service

The conventional methods of detection and identification of fungi have mainly relied on culture isolation and subsequent observations of morphological traits. These methods are time consuming, laborious, and may require days to weeks for isolation by culture. In addition, not all the fungal species are cultural on a given medium, which leads to analysis that may not accurately reflect the true fungal community in a sample.

With the advent of polymerase chain reaction (PCR), inexpensive DNA sequencing, and a relatively large databank of ribosomal DNA sequences, it is now possible to more objectively characterize and identify fungal species. However, due to the immense diversity in fungi, true group- and species-specific detection can be difficult to achieve. We apply PCR-based detection techniques of sequence polymorphisms in the internal transcribed spacer 1 & 2 (ITS- 1 & 2) region of the rDNA genes as a means of fungi identification. Unique, PCR products ranging from ~ 690-1300 bp are specific to fungi.

Identification is guaranteed up to genus level while species as well as sub species identification would be possible.

Features:

- Clearly characterize the fungi comparing with larger number of isolates had been utilized in earlier studies.
- Characterization will be based on ~ 690-1300 bp of ITS1&2 regions of the rRNA genes sequence analysis
- Identification will be based on 10 closest homolog fungi sequence available in NCBI GenBank
- Rapid and reliable service for identification of fungi, including potentially new or emerging pathogenic species.

Deliverables:

1. Final report containing the fungi identity information.
2. Nucleotide sequence percentage homology table indicating the identity within 10 most similar neighbours
3. Phylogenetic tree displaying evolutionary relationships among the 10 nearest neighbours fungal species included in the study.

Delivery Time:

6 Weeks

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
116702_GB	CSER63	Fungi Identification Service	14175

Service Tax as applicable will be charged extra

Application Form for Fungi Identification Service

Order No. / Date:

Name of the Scientist:

Institute / Address :

Contact No./Email Address :

Any preliminary identification information known about the sample:

Whether the sample is infectious: Yes/No.

How to send samples:

1. Purity of microbial sample is the key for accurate identification.
2. Please send the culture pellets in sterilized narrow mouth tubes or in form of plate of slant, 1.5 ml eppendorf vials sealed with parafilm/plugged or capped tightly.
3. Isolated DNA is preferable.
4. Grow around 5-10 ml of culture upto mid-log phase, pellet down cells in a 1.5 ml vial, decant the culture media completely, (if media remains in the vial it might lead to contamination), seal the tubes properly and send the cell pellet with the application form.
5. Ensure purity of the cell pellet before sending.

Please do not consider this application form as a purchase order

NOTE: Kindly send this application to the following address:

Merck Specialities Private Limited, No. 6, 6th Main, BDA Industrial Suburb, Near SRS Road, Peenya, Bangalore - 560058

Yeast Identification Service

The identification and classification of yeasts have traditionally been based on morphological, physiological and biochemical traits. Identification of relevant yeasts can be time-consuming and inaccurate with most of the available methods. We use PCR-based detection of sequence polymorphisms in the internal transcribed spacer 2 (ITS2) region of the rDNA genes as a means of yeast identification. Unique, PCR products ranging from ~ 230-450 bp are specific to yeast. These data, and the specificity of length polymorphisms for identifying yeasts, are confirmed by DNA sequence analysis of the ITS2 region. DNA Sequences specific to species can be easily distinguished by restriction enzyme analysis if needed.

Identification is guaranteed up to genus level while species as well as strain identification would be possible.

Features:

- Based on ~ 230-450 bp of ITS2 region of the rDNA gene sequence analysis
- Restriction analysis of PCR-amplified ITS2 region DNA if required
- Identification will be based on 10 closest homolog yeast sequence available in NCBI GenBank
- Rapid and reliable method to identify yeasts, including potentially new or emerging pathogenic species.

Deliverables:

1. Final report containing the yeast identity information.
2. Nucleotide sequence percentage homology table indicating the identity within 10 most similar neighbours
3. Phylogenetic tree displaying evolutionary relationship of the yeast with 10 nearest neighbours

Delivery Time: 4-6 weeks.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
116701_GB	CSER62	Yeast Identification Service	14175

Application Form for Yeast Identification Service

Order No. / Date:

Name of the Scientist:

Institute / Address:

Contact No./Email Address:

Any preliminary identification information known about the sample:

Whether the sample is infectious: Yes/No.

How to send samples:

1. Purity of microbial sample is the key for accurate identification.
2. Please send the culture pellets in sterilized narrow mouth tubes or in form of plate of slant, 1.5 ml eppendorf vials sealed with parafilm/plugged or capped tightly.
3. Isolated DNA is preferable.
4. Grow around 5-10 ml of culture upto mid-log phase, pellet down cells in a 1.5 ml vial, decant the culture media completely, (if media remains in the vial it might lead to contamination), seal the tubes properly and send the cell pellet with the application form.
5. Ensure purity of the cell pellet before sending.

Please do not consider this application form as a purchase order

NOTE: Kindly send this application to the following address:

Merck Specialities Private Limited, No. 6, 6th Main, BDA Industrial Suburb, Near SRS Road, Peenya, Bangalore – 560058

DNA Fingerprinting Service (by RFLP)

Every organism has a set of DNA patterns that separate it from others, which form its genetic "fingerprint". Restriction Fragment Length Polymorphism (RFLP) offers simple and quick DNA analysis techniques in which organisms may be differentiated by analysis of patterns derived from cleavage of their DNA. RFLP is a difference in homologous DNA sequences that can be detected by the presence of fragments of different lengths after digestion of the DNA samples with specific restriction endonucleases (4–6 bp recognition sites).

The procedure of RFLPs into steps:

- Genomic DNA fragmented by a restriction enzyme, which can recognize and cut DNA wherever a specific short sequence occurs.
- DNA fragments are then separated by length in agarose gel or polyacrylamide gel electrophoresis
- RFLP profile analysis for genome mapping, localization of genetic disease genes, determination of risk for a disease, genetic fingerprinting and paternity testing.

Features:

- The RFLP probes are frequently used in genome mapping and in variation analysis (genotyping, forensics, paternity tests, hereditary disease diagnostics, etc.).
- Genetic diversity can be identified within breeding populations in plants and animals.
- To differentiate between two species (Prokaryotes or eukaryotes), as well as to identify organism containing a gene of interest.

Deliverables:

1. RFLP fingerprint profile
2. Final report

Delivery Time: 4–5 weeks

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
117778_GB	CSER76	DNA Fingerprinting Service (by RFLP)	POR

Service Tax as applicable will be charged extra

DNA Fingerprinting Service (by RAPD)

Experimental samples including plants, different varieties of a given plant, microbes, microbial isolates, etc. can be successfully differentiated from each other using RAPD based techniques. A modified set of RAPD primers would be used for the study that ensure polymorphism within seemingly similar samples and would generate reproducible profile. Further services regarding

Features:

- RAPD profiling of plants, plant varieties, microbes, microbial isolates, etc.
- Polymorphism within samples most likely
- Phylogenetic analyses based on RAPD data
- Fast and reliable results

Deliverables:

1. RAPD profile(s) generated using primer(s) showing polymorphic amplification
2. Distance matrix and similarity matrix using bioinformatics tools.
3. Phylogenetic tree
4. Final report

Delivery Time: Up to 4 samples: 2 weeks

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
105316_GB	CSER48	Polymorphic RAPD profile Per sample/primer	1890

Service Tax as applicable will be charged extra.

Synthetic Gene Service

Synthesis of a gene "synthetically" allows scientists to avoid difficult gene cloning experiments where:

- Gene expression is tissue specific, enzyme treatment specific and/ or growth stage specific. Thus, RT-PCR based gene cloning experiments would be very tedious
- Exon - intron boundaries not well demarcated because of non-availability of genome sequence data and or complete gene sequence data (showing intron - exon boundaries)
- Synthesis of DNA fragments containing regulatory sequences is required.

Features:

- The synthetic gene would be synthesized following "modified recursive PCR" technology
- The gene will be cloned in a standard cloning vector (pUC18).
- Multiple clones will be sequenced and the clone having no or minimum mutations will be selected.
- Mutations, if present, would be reverted 'free of cost'.
- A confirmed clone having no mutations would be delivered to the scientist.

Deliverables:

1. Synthetic gene: synthesized, cloned in cloning vector and purified DNA - 5 µg
2. Original sequencing data
3. Blasted sequence data (showing 100% homology)
4. Project Report

Delivery time:

Up to 1000 bp : 6 - 8 weeks

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
105307_GB	CSER40	Synthetic Gene Service (Gene Synthesis, Sequence verification & Cloning Service)	POR

Service Tax as applicable will be charged extra

Application Form for Gene Synthesis, Cloning and Sequencing Services

Order No. / Date:

Name of the Scientist:

Institute / Address :

Contact No./Email Address :

Gene Description:

1. Sequence of the synthetic gene:
(Sequence data should also be sent in a CD)
2. Size of the synthetic gene (bp):
3. GC - percentage of the synthetic gene:

Please do not consider this application form as a purchase order

NOTE: Kindly send this application to the following address:

Merck Specialities Private Limited, No. 6, 6th Main, BDA Industrial Suburb, Near SRS Road, Peenya, Bangalore - 560058

Cloning & Sequencing Services for Amplified Products

Cloning and sequencing of PCR products are of major importance in Gene Cloning Experiments. Cloning of PCR products are known to be less efficient and the probable factors limiting the efficiency of cloning of PCR products are:

- Incomplete PCR products
- Incomplete restriction digestion of PCR products
- Majority of the molecules would have an extra A-overhang at the 3' - end, a fact contributed to Taq DNA Polymerase based PCR reactions.

Sequencing of PCR products using terminal primers (used for amplification) would usually generate incomplete sequence data at both ends.

We offers the service for cloning and sequencing of PCR products that would enable the scientists to acquire complete and analysed sequence data of their PCR products.

Features:

- Sequencing of amplified product using amplification primers does not read the terminal 50 -100 bases on both ends. We provide complete bi-directional sequence data for the amplified product.
- Amplified products that are otherwise difficult to clone, are cloned and sequenced.
- Sequence data analysed, aligned and complete data provided.

Deliverables:

- Cloned DNA (up to 1-2 µg)
- Sequence data
- Project Report

Delivery time:

Cat # 105309 : 3 - 4 weeks

Precautions and limitations:

1. The band of interest should be the most prominent product within the PCR sample.
2. The samples should not have excessive smearing.
3. Please indicate whether the PCR product has a higher GC - content.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
105309_GB	CSER42	Cloning & Sequencing Service Per sample	POR

Service Tax as applicable will be charged extra

Gene Expression & Protein Purification Service

Avail our expertise and facility to express your gene and get purified protein for further studies including raising of polyclonal or monoclonal antibody, assay development, etc. The services offered would include:

- Sequence confirmation of the gene by bi-directional sequencing
- Optimization of protein expression
- Purification (5-10 mg) of expressed protein, up to 90% purity

Features:

- Protein expressed may or may not be biologically active
- Bacterial & Yeast based expression systems available
- GST and (His) 6 tags available for easy purification of the recombinant protein
- N-terminal GST-tag, N-terminal, C-terminal, N- and C-terminal (His) 6 tags together as well as no tag expression systems available
- Level of expression of recombinant protein may vary (very high to no expression at all) depending on toxicity of the protein to the bacteria.
- Facility for >90% purity available, please inquire

- Subsequent raising of monoclonal or polyclonal antibody from the purified proteins, available.

Deliverables:

1. Expressed and purified recombinant protein
2. Sequence data (raw data as well as analysed and aligned data)
3. Final report containing relevant documents of the project.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
105320_GB	CSER52	Get 80-90% purified protein from Expression clones provided, Per Sample	POR

Service Tax as applicable will be charged extra

Services to be done in stages

- Check expression
- Purification of desired Protein
 - a) Soluble
 - b) Inclusion bodies

2D Gel Electrophoresis of Proteins

High-throughput, two-dimensional gel electrophoresis (Biorad) is offered for a diverse range of sample types. 2D Gel electrophoresis is an excellent method for fractionation of complex mixture of proteins into discrete components and for study of differential protein expression. Spots obtained on gels correspond to different proteins and are isolated and subjected to enzymatic digestion for further mass spec analysis. We offer a multitude of gel staining techniques, depending on the nature of the sample being separated. We maintain strict adherence to standardized procedures for 2D gel electrophoresis based protein separation technique.

Features:

- Diverse range of sample types can be used.
- Use of multitude of gel staining techniques, depending on the nature of the sample being separated
- Standardized procedures for 2D gel electrophoresis based protein separation technique

Deliverables:

- Gel analysis
- Project report with details of the steps followed

Delivery Time: 2-3 weeks.

Ordering Information:

Cat #	PI #	Product	Unit Price ₹
118758_GB	CSER72	2D Gel Electrophoresis of Proteins (Per Sample), 1 Ea	POR

Application Form for 2D Gel Electrophoresis Service
(Photocopy of this form is to be filled by the scientist and sent along with sample)

Order No. / Date:

Cat# :

Name of the Scientist:

Institute / Address :

Contact No./Email Address :

I. Sample Information

1. Total Number of Samples _____
2. Source of Sample: Human Mouse Rat Bacterial Viral Plant Other(Specify): _____
3. Specify the tissue source of the sample _____
4. Specify the Genus and species _____
5. Is the sample pathogenic or non pathogenic _____
(If it is pathogenic mention the precautions to be taken)
6. Is the sample supplied as: Solution Lyophilized Tissue Cell pellet
(Please specify the buffer in which supplied or procedure for reconstitution)
7. Molecular Weight Range _____
8. Storage Condition of sample: -70°C / -20°C / 4°C / RT
9. Do you have any information and/or past experience concerning the sample preparation for 2D gel?
Yes/ No If yes, specify the protocol

II. Quantity of sample:

1. Lysate: _____
(Requires at-least 3-5mg/ml of crude protein)
2. Purified: _____
(Requires 400µg/100µl)
3. Tissue: _____
(Requires 5g if from plant source OR 1g from animal source)
4. Cell pellet: _____
(Requires 1.5-3g of pellet from bacteria or animal cell line)

III. Any Special Instructions:

NOTE:

- Sample should be packed with gel coolants in case of 4°C storage OR dry ice in case of -20°C storage. Ensure leak proof vials.
- If more than one sample, attach the complete data for all the samples.
- After completion of the project sample will be retained for a period of 3 months only.

Kindly send this application to the following address:

Merck Specialities Private Limited, No. 6, 6th Main, BDA Industrial Suburb, Near SRS Road, Peenya, Bangalore – 560058.

Custom Oligonucleotide Synthesis

Custom Oligonucleotide Service:

Merck offers custom oligonucleotide service to scientists nationwide.

Features:

1. Oligonucleotides available as (a) Crude (b) Desalted (c) PAGE purified.
2. Choice of purification (a) Desalting: using sephadex G-25 columns (b) PAGE purification: 20% polyacrylamide + 7M urea gel electrophoresis.
3. Modifications available (a) Inosine - at any position other than 3' end (b) Biotin and Fluorescein - only at 5' end.
4. Certificate of analysis includes primer length, sequence, yield, concentration and purity.
5. Product quality checked by PAGE analysis of the primer.
6. Oligos will be supplied in lyophilized form.
7. Quick delivery.
8. On line ordering - geneservices@merck.co.in

Note:

- Order should accompany primer sequence with indication of 5' - 3' ends.
- No mixed bases at 3' end.
- Please use the IUPAC-code for mixed bases (M=A/C, R=A/G, W=A/T, Y=C/T, S=C/G, K=G/T, H=A/C/T, V=A/C/G, D=A/G/T, B=C/G/T, N=A/C/G/T).

Crude oligo: Deprotected oligo with 85-90% of full length product along with 10-15% of failure sequences, salts and protective chemical groups.

Application: Standard PCR, Hybridization, Probing etc.

Desalted oligo: Desalting of crude oligo on Sephadex G-25 column, removes ammonium salts and protective chemical groups which gives 85 - 90% of full length product along with 10-15% of failure.

Application: PCR, Probing, Cycle sequencing, Hybridization, Primer extension.

PAGE Purified oligo: Crude oligo purified on 20% Urea PAGE followed by desalting on Sephadex G-25 yields 95-99% purity. Total yield is lower due to relative ineffective recovery of oligo from the gel and Sephadex G-25 column. The basis of separation of the oligo is by molecular weight and charge.

Application: Cloning, RT-PCR, Site Directed Mutagenesis, Gel Shift Assay, DNA fingerprinting, in situ hybridization, Microsatellite polymorphism, Gene synthesis.

Ordering Information:

Cat #	Pl. #	Product	Scale	Unit Price ₹
630100500011730	BGC05	Desalted Oligo (Yield: 1 - 2 O.Ds; Length upto 30 mer) (No mix base), Per base	10 nmole	22
630100400011730	BGC04	Desalted Oligo (Yield: 2 - 3 O.Ds; Length upto 30 mer) (No mix base), Per base	20 nmole	26
630100200011730	BGC02	Desalted Oligo (Yield: 4 - 5 O.Ds), Per base	50 nmole	38
630100300011730	BGC03	PAGE purified oligo (Yield: 1-2 O.Ds), Per base	50 nmole	85

Note: * Primer length upto 35 mer, 10 mer has to be 20 nmole scale.
Above Prices are quoted for length upto 70 mer. Enquire for length >70 mer
Soft copy of the orders to be provided in excel format only.

DNA Sequencing Service

Merck offers DNA sequencing service for Molecular biologists. Sequence analysis is done using an automated ABI 3100 Genetic Analyser that uses fluorescent label dye terminators or fluorescent label primers. We use ABI's AmpliTaq FS dye terminator cycle sequencing chemistry which is based on Sanger's Sequencing method. Each run is termed as a 'Single Pass Analysis' where the electropherogram represents a multicolour picture of a sequence showing coloured peaks that indicate the bases.

In automated DNA sequencing, fastidious preparation of template DNA is crucial. Generally if the template DNA and primers are of high purity and under ideal conditions, one can expect a read of 700–850 bases, but initial 30–40 bases closer to primer annealing region may not give good readable data. The ABI Genetic analyser uses the sequencing analysis software V.5.1 with the kb basecaller which displays the quality values (QVs) for pure and mixed bases. There might be cases where the read is of short length due to the following reasons such as high background noise, co-amplification, repeat sequences of AT/GC rich template DNA. The major cause for all these may be attributed to the quality of the template DNA.

Sequencing Service: We now offer the following services

I) Single Pass Analysis (SPA)

Services offered for single stranded, double stranded, lambda and PCR derived templates.

Services Provided:

Cat # 106024_GB: SPA service of PCR products with a read upto 700–850 bases using one primer and template provided by the scientist.

Cat # 106025_GB: SPA service of purified plasmid DNA with a read upto 700–850 bases using one primer and template provided by the scientist.

Optional services provided:

Cat # 106026_GB: Plasmid isolation service: Includes growing of a cloned E.coli colony with antibiotic selection, extraction and purification of the plasmid DNA. Scientist can send their clone as a plate/stab along with full information about the strain.

Primer service provided:

Cat # 107471_GB: Custom synthesis and desalting of primers required for sequencing.

II) Primer walking of constructs:

Primer walking of constructs (Sequencing of cloned inserts) is an effective strategy to sequence the entire cloned DNA insert. Merck offers to read upto 5kb insert, bidirectionally using this technique.

Initially, sequence data is obtained using a standard primer which hybridizes to the vector sequence upstream of the insert DNA. Based on this initial data a custom oligonucleotide is designed, synthesized and used to prime a second sequencing reaction. The data obtained from the second reaction overlaps with initial data and extends the sequence further downstream of the initial primer. By repeated cycles of custom oligonucleotide synthesis and DNA sequencing the cloned insert is sequenced completely in one direction.

For bi-directional sequencing, a second standard primer is used which binds the vector in the other direction, the above process is then repeated and the complete sequence read for both strands.

This service includes **DNA extraction, purification, Primer designing, synthesis, desalting, sequencing and assembling** of the final sequence.

Information & sequence report will be provided to the customer at each stage of the sequencing by primer walking. In case of unforeseen problems due to GC/AT rich regions of template DNA, the customer will be informed for suggestions and billed according to the number of reaction/primer synthesized.

DNA Sequencing Service (Contd.)

How To Process Sample & Primers:

Send DNA samples along with primers. Please note that DNA and primer should be of high quality refer note no. 1 (Sample Processing) & note no. 2 (Primer Processing). The sample should be sent along with the Application for Automated DNA Sequencing Service.

Agarose gel analysis and / or spectrophotometric check of template DNA will be done for all samples received free of cost. Sequencing will be performed, only if the quantity and quality of DNA are found satisfactory; if found not satisfactory the same would be informed.

Note no. 1: Sample Processing:

Merck recommends the use of protocol optimised by ABI for DNA preparation.

Template DNA supplied should satisfy the following criteria :

1. Salt free
2. RNA free and
3. EDTA free

Template DNA must be finally resuspended in deionised water only.

Quantity (and concentration) of template DNA required for SPA services:

Product	Concentration (ng/μl)	Quantity (ngs)
ssDNA	50-100	500-600
dsDNA	250-500	600-800
PCR product	50-100	500-600

Note no. 2: Primer processing:

Criteria for primers used in sequencing:

Primer sequence selection, synthesis and purification have significant effect on the quality of sequencing data. We recommend the following criteria :

1. High Purity (either HPLC or Desalted) Primers.
2. Primers 18-24 bases long usually give good specificity. Long Primer (>35mer) is not preferred
3. Preferably 50 to 55% GC content.
4. No mismatch is present and no alternative hybridization sites are present in the template.
5. RAPD primers (10 mer) cannot be used for cycle sequencing reaction due to low annealing temperature.

6. For cycle sequencing, primer with melting temperature between 50 to 60° C is recommended. Avoid low melting temperature (40 to 45°C.) Melting temperature (T_m) is calculated as 4 (G+C) + 2 (A+T). No secondary structure particularly at the 3' end is present.

Quantity (and concentration) of primers to be provided for sequencing :

Concentration: At least 10 picomoles/μl

Quantity: Minimum 20-30 picomoles

How To Send Samples:

DNA must be transported in dry ice / coolant packs at sufficiently low temperature to prevent degradation. DNA in solution should not be sent at room temperature. DNA (especially PCR product) can be sent as lyophilised sample. Care should be taken to see that lyophilised DNA is not excessively dry as this leads to problem in reconstitution.

Customers are requested to send the Application Form and purchase order duly filled in along with the email and contact number for sending samples for Sequence Analysis.

Result of DNA Sequencing Service:

Merck will provide data by email -of each sample in the form of (1) sequence (2) Electropherogram (3) CD.

Delivery time:

- SPA services: Approximately 1 week.
- Primer walking services: Approximately 2 weeks for every 1 kb.

Shipping Address:

Kindly ship the samples to the following address

Attention:
Merck Specialities Private Limited, No. 6, 6th Main,
BDA Industrial Suburb, Near SRS Road,
Peenya, Bangalore - 560058

Note: The remaining sample will be discarded after 3 months.

Sequencing Order Form

Please send this duly filled form along with your samples

	Ordering Information
Name:	
Institute/Department:	
Communication Address:	
Customer Contact No:**	
Customer Email ID:**	
Web order no : **	
Region / Dealer name:	
Catalogue No: **	
No of Reaction: **	

** Mandatory fields

Prerequisites for DNA Sequencing Service

Purified PCR Products:

- Conc. of 30-50ng/ul with a minimum volume of ~ 15ul – 20ul
- Enclose the gel photo of the samples with a DNA size marker.
- Use sterile water to elute DNA . Do not use Tris EDTA buffer for elution.

Plasmids:

- Conc of 100 ng/ul with a minimum volume ~10ul – 15 ul.
- Enclose the gel photo of the samples with a DNA size marker
- Plasmids must be purified, without any RNA contamination
- Use sterile water to elute DNA. Do not use Tris EDTA buffer for eluting.

Un Purified PCR Products:

- Conc. of 30-50ng/ul with a minimum volume of ~ 20ul – 25ul volume
- Must enclose the gel photo of the samples with a size marker.

Plasmid Preparation:

- Provide samples as colonies on plate or pure stab culture .
- Indicate antibiotic used as selection marker.
- Specify the vector & insert size; restriction enzymes sites used for cloning

Primer:

- Primer conc. should be 10pmol/ul, with a minimum volume of 10 ul of both primers.
- Enclose the sequence of gene specific primers to be used for sequencing.

Additional Information required :

DNA concentration measured by ☐ OD260 ☐ Gel estimation

DNA purification method used

Are the samples high in GC/AT content ☐ Yes, ☐ NO ; repeat ☐ Yes ☐ No

Additional Services required:

- ☐ Primer synthesis
☐ PCR-Purification
☐ Plasmid prepar
☐ PCR amplification
☐ Gel Extraction

Note : Customer DNA samples and primers will be stored at 4oC and -20oC respectively at our facility for three months

Please submit samples in 1.5ml micro centrifuge tubes.

Primers can be synthesized on request with additional charges.

Primer information

No.	Primer name	5' Sequence 3'	Primers to be synthesized at MM, yes/no
1			
2			
3			
4			
5			
6			
7			

Sample Information

No.	Sample type Plasmid/ PCR	Sample name	Vector	Amount of DNA	Insert / Product length [kb]	Vector primer or specific primer*		Conc. of enclosed primer
						Forward	Reverse	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Ordering Information :

Cat #	Pl. #	Service	Unit Price ₹
DNA Sequencing Service			
Single Pass Analysis (SPA) Services for single-stranded, double-stranded, lambda and PCR-derived DNA templates: We offer SPA service using one primer provided by the scientist along with the sample. To order synthesis of custom made primer for SPA from Merck, refer 630100400011730.			
106024_GB	SERSEQ1	SPA service of PCR Purified Product with a read of around 750 bases, 1 Reaction	510
106025_GB	SERSEQ2	SPA service of purified plasmid DNA & PCR Products with a read 750 bases, 1 Reaction	536
106051_GB		SPA service of unpurified PCR Product with read of around 750 bases, 1 Reaction	590
106026_GB	SERSEQ3A	SPA Service of Cloned Plasmid DNA (Stab/Plate)	578
107438_GB	SERSEQ4	Optional Service: Purification by Gel Extraction	400
Primer walking of constructs (Sequencing of cloned insert): Service includes DNA extraction, purification, primer designing, synthesis and desalting, sequencing and assembly of the final sequence. We provide complete sequence data in CD and electropherogram. On request, the data can also be sent by e-mail. Information/sequence report will be provided to customer. In case of unforeseen problems arising due to the GC/AT rich regions of template DNA, the customer will be informed for suggestions and billed according to the number of reactions/primers synthesised.			
106029_GB	SERSEQ5A	Sequencing by primer walking of constructs upto 2.2 kb (one strand)	6600
106031_GB	SERSEQ6A	Sequencing by primer walking of constructs upto 3 kb (one strand)	11000

Set up charges of Rs. 200 towards all Single Pass Analysis (and failed Reaction).

Service Tax as applicable will be charged extra

Polyclonal Antibody Production Service in Mice

Custom Made Polyclonal Antibody In mice

In this service, the required immunogen should be supplied by the scientist in a pure and concentrated form. The immunogen could be a pure protein, fusion protein, bacterial / viral antigen or conjugated peptide. 3-5 mg of pure protein or 10 mg of peptide may be sent in lyophilized or in frozen form. Immunization and bleeding schedule will depend on the antigen supplied and will be sent to the scientist for their reference on receiving the immunogen with the confirmed order.

To obtain 1 ml of polyclonal antiserum, 5 Balb/c mice will be immunized with one primary immunization and at least 3 boosters with the immunogen provided. This is followed by a test bleed and monitoring the antibody response in serum by an antibody capture ELISA with the antigen provided by the customer. The regime will continue until a sufficient antiserum titre is achieved (OD of 1.0 at 1:1000 dilution of antiserum or up to 16 weeks). The duration of the service is about 12-16 weeks.

Deliverables:

- 1 ml of immunized mouse serum & 0.5 ml of non-immunized mouse serum
- Service Report

Delivery time:

Cat # 640500100011730: Approximately 16 weeks.

Note: Kindly fill in the technical data sheet and send along with the antigen.

Preparation of hapten/peptide immunogen

Small molecules, such as peptides and haptens that are not immunogenic need to be coupled to carrier proteins like BSA or KLH to make it immunogenic. We need about 15 to 20 mg of peptide for coupling to either of the carrier protein. For haptens, please enquire before placing the order.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
640501500011730	SER11E	Preparation of Hapten/ Peptide Immunogen, 10 mg	13650

Application for Polyclonal Antibody Production Service In Mice

(Photocopy of this form is to be filled in by the scientist and sent along with sample antigen)

Order No. / Date:

Name of the Scientist:

Institute / Address :

Contact No./Email Address :

Contact No./Email :

I. Antigen Information:

Type of antigen:

Protein

Carbohydrate

Recombinant GST fusion Protein

Peptide

Other (Specify):

Origin of antigen:

Animal

Plant

Bacterial

Viral

Other (Specify):

Molecular weight :

Purity (Attach photo, if possible)

Quantity of Antigen : (A typical polyclonal antibody production service requires around 2 mg of protein antigen or 10-15 mg of peptide).

Is the sample supplied as:

Solution

Lyophilized

Please specify the buffer or procedure for reconstitution

Is the molecule of interest known to be homologous with that of the mice to be immunized? (essential information for all antigens)
_____ %

Antigen Storage Condition

-20°C

4°C

Do you have any information and/or past experience concerning raising a polyclonal antibody response against this antigen? Yes/ No

If yes, please forward following information:

Animal Used: _____ Strain: _____

Antibody Response: Very Good Good No Response

Do you have a positive control for your antigen or is there one commercially available? Yes/No

If yes, please send 0.5mg of + control with your antigen. A positive control is highly recommendable.

Applicable for peptide Antigen:

a. Is the Antigen Conjugated: Yes/ No

If yes, please specify to which carrier protein: KLH, OVA, BSA, Any Other: _____

b. Is sequence information available? Yes/No (If yes, please attach)

Any Special Instructions:

Customer Signature/Date:

NOTE:

- Antigen may be sent on gel coolants incase of 4°C storage OR on dry ice in case of -20°C storage.
- After completion of the project any remaining antigen will be kept for a period of 12 months, unless otherwise specified
- Kindly send this application to the following address:

Merck Specialities Pvt Ltd, No. 6, 6th Main, BDA Industrial Suburb, Near SRS Road, Peenya, Bangalore - 560058

Polyclonal Antibody Production Service in Rabbit (90 days)

We make premium quality secondary antibodies for research applications and our custom polyclonal antibodies have been recognized as being second-to-none. Merck's scientists have over a decade of practical experience in all aspects of polyclonal antibody development and production. From this we have gained a perspective into how crucial quality is for materials that are used for research. We therefore pledge to give you the best customer service and technical support possible – from the initial screening of your antigen to the end of your project and beyond – to ensure that you, the end user, reap the benefits of that quality when you choose us as your research partner.

Merck provides a one-stop solution to all our customers' antibody needs. Our custom antibody services include carrier-protein conjugation, polyclonal antibody production, affinity purification and conjugation.

Track Record

Our effort and due diligence in achieving the best results for you – unparalleled in the industry – has proven to be worth it. Merck's track record in polyclonal antibody production speaks for itself: >99% success rate by ELISA

ELISA Guarantee

We guarantee a minimum of a 1:10,000 ELISA titer on any immunogen, which in our experience should also translate to a discernable signal in a variety of tests, including westerns and staining applications. No matter the results, we will work closely with you to determine if any adjustments can be made to the protocol that may yield more success. Merck's reserves the right to discontinue any project if we feel there is not a legitimate chance for it to attain a 1:10,000 titer.

Expertise from Experience

Our protocols are optimized to get you the best polyclonal antibodies in the best time periods. All the pertinent details, including recommended peptide properties, animal management and total project duration are given below.

Requirement: About 1-2 mg immunogen must be sent lyophilized or in frozen form.

Immunization Protocol

Day 0 Pre Bleed and Immunization
Day 28 Booster 1
Day 45 Booster 2
Day 52 Test Bleed 1
Day 55 Bulk Bleed 1
Day 65 Bulk Bleed 2
Day 80 Decide about the continuation or completion of the immunization programme.

Deliverables:

1. 2 ml of preimmunised rabbit serum & 25 ml of immunized rabbit serum
2. Service Report

Delivery time:

Cat # 640501100011730: Approximately 3 months.

Note: Kindly fill in the technical data sheet and send along with the antigen.

Preparation of hapten/peptide immunogen

Small molecules, such as peptides and haptens that are not immunogenic need to be coupled to carrier proteins like BSA or KLH to make it immunogenic. We need about 15 to 20 mg of peptide for coupling to either of the carrier protein. For haptens, please enquire before placing the order.

Continuation of immunization and bleeding in 1 rabbit for 2 months

The immunization service i.e. Cat # 106014 or 116700 can be continued as per requirement of customer. The continuation request must be sent in advance. Additional 25 ml of antiserum will be provided within 2 months.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
640501100011730	SER11S	Custom made Polyclonal Antibody in one rabbit, in three months, 25 ml	25725
640501300011730	SER11C	Continuation of immunization in one rabbit for two months, 25 ml	9975

Application for Polyclonal Antibody Production Service In Rabbit

(Photo copy of this form is to be filled by the scientist and sent along with sample antigen)

Order No. / Date:

Cat No. :

Name of the Scientist:

Institute / Address :

Contact No./Email Address :

I. Antigen Information :

Type of antigen :

Protein	Carbohydrate	Recombinant GST-fusion Protein	Peptide
Other(Specify):			
Origin of antigen :			
Animal	Plant	Bacterial	Viral
Other(Specify):			
Molecular weight :		Purity (Attach photo, if possible)	

Quantity of Antigen : (A typical polyclonal antibody production service requires around 2 mg of protein antigen or 10-15 mg of peptide).

Is the sample supplied as:

Solution Lyophilized Please specify the buffer or procedure for reconstitution

Is the molecule of interest known to be homologous with that of the rabbit to be immunized?

Do you have any information and/or past experience concerning raising a polyclonal antibody response against this antigen?
Yes No

If yes, please forward following information:

Animal used: _____

Strain: _____

Antibody Response:

Very good Good No response

9. Antigen Storage Condition: 4°C / -20°C

10. Applicable for peptide Antigen

a. Is the Antigen Conjugated:

Yes No

If yes, please specify to which carrier protein:

KLH, OVA, BSA, Any other: _____

b. Is sequence information available?

Yes No (If yes, please attach)

II. Screening Strategy:

1. Would you like to use our standard assay (indirect ELISA) for screening? OR Do you have a preferred working assay? (If so, please attach)

2. What format of screening assays do you want Merck to perform for you?

Indirect ELISA

Western Blot

Dot Blot

Customer Signature

NOTE: Antigen may be sent on gel coolants incase of 4°C storage OR on dry ice in case of -20°C storage.

After completion of the project any remaining antigen will be kept for a period of 3 months.

Kindly send this application to the following address:

Merck Specialities Private Limited, No. 6, 6th Main, BDA Industrial Suburb, Near SRS Road, Peenya, Bangalore - 560058

Custom Polyclonal Antibody Production in Rabbit, (45 days)

With Merck's fast antibody production protocol, your first lot of antibody can be delivered to your lab in just 45 days after immunization of New Zealand White rabbits. We require 2-3mg antigen for immunization and an additional 0.5mg for screening.

The antibody screening will be done by direct ELISA using antigen coated wells or antigen spotted nitrocellulose membrane. The antibody is tested by Western blotting, only if requested.

Deliverables:

- 25ml of Antisera
- 2ml Pre-immune sera

Antibody Program: The typical protocol includes animal purchase, housing and care, all immunizations, bleeds and exsanguinations as per our standard protocol format.

Note: Kindly fill in the technical data sheet provided in page No. 288 and send along with the antigen.

Delivery Time: 45 days

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
640501200011730	SER11F	Custom Polyclonal Antibody Production in Rabbit, within 45 days, 25 ml	42000

Service Tax as applicable will be charged extra

Antibody Purification Services

We can purify monoclonal and polyclonal antibodies utilizing the best purification option. They are Protein A Affinity Chromatography and Antigen Affinity chromatography. It is better to discuss your purification options before commencing the service. Our aim is to find the purification procedure that provides the best balance between yield, purity and cost.

In antigen affinity chromatography, we will be linking the antigen to CL Agarose by cyanogen bromide method OR epoxy method. The gel is used for purification of specific antibody.

Cat #	640522100011730	
Method	Protein A Affinity	Antigen Affinity Chromatography
Serum amount required	5 ml	~15 ml (will depend on titer)
Purity	>95 % IgG	-----
Active antibody	Depends upon antibody titre generally 20 - 30% of total protein	>90%
Yield	10 mg	5 mg

Requirement: 5mg of antigen to prepare the gel for purification of antibody by Antigen Affinity Chromatography

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
640522100011730	SER13S	Purification of Antibody by Protein A affinity chromatography, 10 mg	12600
640522200011730	SER15	Purification of Antibody by antigen affinity chromatography, 5 mg	26250

Technical Data Sheet for Antibody Purification Service

(Photocopy of this form is to be filled by the scientist and sent along with sample)

Order No. / Date:

Cat No. :

Name of the Scientist:

Institute / Address :

Contact No./Email Address :

1. Is your antibody Monoclonal OR Polyclonal in nature
 Monoclonal ☐ Polyclonal ☐
2. Specify the source of the sample:
 Ascites ☐ Culture Supernatant ☐ Serum ☐
3. Species in which the antibody was produced:
4. Volume of Ascites/ Culture supernatant/Serum:
5. Buffer in which antibody is being sent
6. Has the antibody undergone freeze/thaw cycles?
7. Method of Purification
 Protein A affinity Chromatography ☐ Antigen Affinity Chromatography ☐
8. Any Special Instructions:?

Customer Signature

NOTE: Kindly send this application to the following address:

Merck Specialities Private Limited, No. 6, 6th Main, BDA Industrial Suburb, Near SRS Road, Peenya, Bangalore - 560058.

Antibody Labelling Services

Merck provides conjugation service, while adhering to strict quality control measures. We can offer a wide range of Antibody Labelling Services.

Conjugation to HRP: HRP is widely used in ELISA/EIA as a detection molecular. HRP, a glycoprotein (40 kD) is available in highly purified form, very stable and provides several options for covalent coupling. It has a very high turnover number and remains active after chemical modification. Conjugation of antibodies requires activations of HRP and removal of activating agents. The activated HRP is then reacted with the antibody.

Conjugation to FITC: This is currently the most commonly used fluorescent dye for different application and analysis. FITC is a small organic molecular and is typically conjugated to proteins via primary amines (i.e. lysine). Usually between 2 and 5 FITC molecules are conjugated to each antibody.

Conjugation to ALP: ALP labelled antibody is used for EIA and immunoblotting/ immunostaining.

Cat #	640522300011730	640522400011730	640522500011730
Labels	HRP	ALP	FITC
Amount of purified antibody or IgG	2 - 10 mg	2 - 5 mg	2 - 10 mg
Method	Periodate	Maleimide	Thiocyanate
Molar Incorporation	2 - 3	1 - 2	2 - 5

Gold Labelling Service

Merck offers Colloidal Gold labeling service to a wide variety of molecules and proteins. Colloidal Gold is available in a mean particle size of 15 nm. The concentration, sizes and formulation can be optimized as per customer requirement.

- Conjugations take approximately 3-5 business days.
- Selection of size must be specified at the time of order.

Highlights:

- Conjugation of single protein to gold colloid.
- Bulk supply
- Size uniformity (mono-disperse)
- High optical density
- Aggregation free



Mono-Disperse of Colloidal Gold

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
Polyclonal Antibody Production Service			
640522600011730	SER22S	Gold Labelling Service, 5 mg,	12600

Other Services:

Cat #	Product	Unit Price ₹
640522300011730	ANTIBODY LABELING WITH HRP (UPTO -10 MG)	12000
118772_GB	Epitope Mapping	23625
107418_GB	Metagenomic library construction of Bacteria	POR
MOLPRO_GB	Molbio/Proteo Custom Project	POR
108001_GB	Peptide Synthesis (Desalted)	POR
108000_GB	Peptide Synthesis (Pure)	POR
118759_GB	Protein identification (Peptide mass Fingerprinting)	POR
TEQESP_GB	Setup charges for Single Pass Analysis	150

Educational Products

Basic Molecular Biology Techniques

Agarose Gel Electrophoresis Teaching Kit

Agarose gel electrophoresis is a procedure used to separate DNA fragments based on their molecular weight and is an intrinsic part of almost all routine experiments carried out in molecular biology. The kit teaches the three basic steps involved in this technique i.e. preparation of agarose gel, electrophoresis of the DNA fragments, visualization of DNA fragments.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616113000031730	KT130	GeNei™ Agarose Gel Electrophoresis Teaching Kit with ETS1, 10 expts.	11600
616113000011730	KT130A	GeNei™ Agarose Gel Electrophoresis Teaching Kit, 10 expts.	3250

GeNei™ Restriction Digestion Teaching Kit

The kit demonstrates the function of restriction enzymes, which cleave the DNA at specific sites. With the help of this kit one can carry out restriction digestion and find out the molecular weights of different DNA fragments by running a standard marker on agarose gel.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616100100011730	KT01A	GeNei™ Restriction Digestion Teaching Kit, 5 expts.	4680
616100100021730	KT01B	GeNei™ Restriction Digestion Teaching Kit, 20 expts.	9660

GeNei™ Restriction Mapping Teaching Kit

Restriction map is a description of restriction endonuclease cleavage sites within a piece of DNA. The kit demonstrates the methodology of restriction mapping a circular DNA using two different restriction enzymes, individually and together, that cleaves the DNA into different pieces.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616110300011730	KT103A	GeNei™ Restriction Mapping Teaching Kit, 5 expts.	5040
616110300021730	KT103B	GeNei™ Restriction Mapping Teaching Kit, 20 expts.	11500

Note: UV Transilluminator and EtBr are required.

GeNei™ Ligation Teaching Kit

The kit demonstrates the function of T4 DNA Ligase which seals nicks and joins ends (blunt & sticky) of double stranded DNA. Students will carry out the ligation of fragments generated by digestion of Lambda DNA with EcoR I restriction enzyme, and analyse results by agarose gel electrophoresis.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616100800011730	KT08A	GeNei™ Ligation Teaching Kit, 5 expts.	3560
616100800021730	KT08B	GeNei™ Ligation Teaching Kit, 20 expts.	8180

Note:

- T4 DNA Ligase is supplied as a single aliquot.
- With effect from 2009-10 staining dye is not supplied.
- UV Transilluminator and EtBr are required (for EtBr Refer Pl. No. FC38, Cat No. 612600480101730)

GeNei™ Transformation Teaching Kit

The kit demonstrates preparation of competent cells by CaCl₂ method and its transformation with plasmid DNA. Plasmid DNA is provided which helps to understand α complementation and blue white screening.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616100700011730	KT07	GeNei™ Transformation Teaching Kit, 5 expts.	5510
616100700021730	KT07A	GeNei™ Transformation Teaching Kit, 20 expts.	14180

GeNei™ DNA Molecular Size Determination Teaching Kit

The kit demonstrates the molecular size determination of a linear DNA molecule by agarose gel electrophoresis. Standard molecular weight DNA marker and test samples are run on agarose gel and the relative distance migrated are measured and plotted on the graph. The size of unknown test samples will be calculated from the graph.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616106600011730	KT66A	GeNei™ DNA Molecular Size Determination Teaching Kit, 5 expts.	8630

Nucleic Acid Isolation and Purification

GeNei™ Plasmid Preparation Teaching Kit

Plasmid Preparation Teaching Kit deals with the miniprep of plasmid by alkali lysis method and enables the user to visualise the plasmid by agarose gel electrophoresis.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616100600011730	KT06A	GeNei™ Plasmid Preparation Teaching Kit, 5 expts (5 x 5 preps),	5400
616100600021730	KT06B	GeNei™ Plasmid Preparation Teaching Kit, 20 expts (20 x 5 preps),	10500

Note:

- With effect from 2009–10 staining dye is not supplied.
- UV Transilluminator and EtBr are required (for EtBr Refer Pl. No. FC38, Cat No. 612600480101730)

GeNei™ Plasmid DNA Purification Teaching Kit (Using DNA Binding Membrane)

The kit teaches the method of plasmid DNA purification using membrane based spin columns. By this method, high purity plasmid DNA is obtained without the additional steps of precipitation/concentration or desalting.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616112600011730	KT126A	GeNei™ Plasmid DNA Purification Teaching Kit, 10 expts (Binding Memb)	4640

GeNei™ Plasmid DNA Purification Teaching Kit (By Ion exchange Chromatography)

The kit teaches the method of plasmid purification based on ion exchange chromatography by gravity flow. The column resin is based on the interaction between negatively charged phosphate of DNA backbone and positively charged DEAE groups on the surface of resin. The salt concentration and pH condition of the buffers determine whether DNA binds or elutes from the column. It's a simple and convenient method of purification.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616112700011730	KT127A	GeNei™ Plasmid DNA Purification Teaching Kit, 10 expts (Gravity method),	4290

GeNei™ Genomic DNA Extraction Teaching Kit (From Bacteria)

This kit provides the user "hands on" experience on Genomic DNA extraction from bacteria.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616102800011730	KT28A	GeNei™ Genomic DNA Extraction Teaching Kit (from Bacteria), 10 expts.	4860
616102800021730	KT28B	GeNei™ Genomic DNA Extraction Teaching Kit (from Bacteria), 20 expts.	5450

Note:

- With effect from 2009–10 staining dye is not supplied.
- UV Transilluminator and EtBr are required (for EtBr Refer Pl. No. FC38, Cat No. 612600480101730).

GeNei™ Genomic DNA Extraction Teaching Kit (From Leaves)

This kit provides the user "hands on" experience on Genomic DNA extraction from leaves.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616106700011730	KT67A	GeNei™ Genomic DNA Extraction Teaching Kit (from Leaves), 5 expts.	3580

Note:

- With effect from 2009–10 staining dye is not supplied.
- UV Transilluminator and EtBr are required (for EtBr Refer Pl. No. FC38, Cat No. 612600480101730)

GeNei™ Fungal Genomic DNA Extraction Teaching Kit

The kit provide reagents and components required for extraction of high molecular weight genomic DNA from fungal mycelial pellet. The kit uses a simple, rapid and ready to use CTAB based lysis buffer for the extraction of DNA from fungal pellet.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616112500011730	KT125A	GeNei™ Fungal Genomic DNA Extraction Teaching Kit, 10 expts.	4290

Elpho Kit (Cat # 107070GB)

Specially designed mini size electrophoresis apparatus and power supply unit (50V/100V) that can be ordered separately.

Note: UV Transilluminator and EtBr are required.

GeNei™ Gel Extraction Teaching Kit

(Solution Based)

Isolation and cleaning the fragment of interest from the agarose gel is one of the key steps involved in cloning. Various techniques are employed to purify DNA from agarose gel.

Clean Gene Teaching Kit involves the use of specially formulated glass powder that binds single and double stranded DNA without binding contaminants. Students will purify the DNA fragments of different sizes run on agarose gel (generated by restriction digestion of pBR322/Dra I enzyme) by using glass powder.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616104300011730	KT43A	GeNei™ Gel Extraction Teaching Kit (Solution Based), 5 expts.	6210

Note:

- With effect from 2009-10 staining dye is not supplied.
- UV Transilluminator and EtBr are required (for EtBr Refer Pl. No. FC38, Cat No. 612600480101730)

GeNei™ Whole Blood DNA Extraction Teaching Kit

The kit provides the user "hands on experience" on genomic DNA extraction from fresh blood. It's a guanidium thiocyanate solution based cell lysis method, requiring no phenol-chloroform extraction.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616112900011730	KT129A	GeNei™ Whole Blood DNA Extraction Teaching Kit, 10 expts.	3650

Note: UV transilluminator, Centrifuge, Blood and EtBr are required.

GeNei™ Plant Mitochondrial DNA Isolation Teaching Kit

Plant Mitochondrial DNA (mtDNA) is DNA that is located in mitochondria. This is in contrast to most DNA of eukaryotic organisms, which is found in the nucleus. Nuclear and mtDNA are thought to be of separate evolutionary origin, with the mtDNA being derived from bacteria that were engulfed by early precursors of eukaryotic cells. In mammals, 100% of the mtDNA contribution to a zygote is inherited from the mother and this is true for most, but not all, organisms. Mitochondrial DNA (mtDNA) plays a role in respiration and the cell's energy conversion mechanism. It is also used in human applications for DNA fingerprinting.

The Plant Mitochondrial DNA Isolation Teaching Kit enables the user to isolate the organelle DNA from plant tissues with a much simpler method than the traditional isolation techniques.

Note: Using this kit students will isolate Plant Mitochondrial DNA and carryout PCR with primers specific for Mitochondrial genes.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616114800011730	KT148A	GeNei™ Plant Mitochondrial DNA Isolation Teaching Kit, 5 expts.	6730

Note:

- Electrophoresis system (Cat # 107070GB) and Thermal Cycler are required for the experiments. Not provided in this kit.
- UV Transilluminator and EtBr are required.

GeNei™ Total RNA Extraction Teaching Kit

RNA is engaged in mediating the expressions of the genetic message of DNA by participating in the synthesis of cell's protein. RNA study gives an insight into other cellular processes like transcription, protein expression etc. Hence, RNA isolation is an important technique of molecular biology.

The kit teaches students to isolate intact total RNA (i.e mRNA, tRNA & rRNA) from bacteria & plant(seed) & observe the difference between prokaryotic & eukaryotic RNA by agarose gel electrophoresis.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616113200011730	KT132A	GeNei™ Total RNA Extraction Teaching Kit, 10 expts.	5600

Note: UV Transilluminator and EtBr are required.

Cloning & Expression Techniques

GeNei™ GFP Cloning Teaching Kit

The GFP cloning teaching kit enables the student to clone the GFP (Green fluorescent protein) gene into vector. Resulting clones after transformation into *E.coli* are visualized as glowing green colonies under UV light.

Availability of Transilluminator is a must at the user end.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616106000011730	KT60	GeNei™ GFP Cloning Teaching Kit, 5 expts.	6600

Note: UV Transilluminator is required.

GeNei™ Bacterial Gene Expression Teaching Kit (using Lac Promoter System)

This kit demonstrates the expression of a cloned gene in *E.coli* using IPTG inducible promoter. The level of expression of the recombinant protein in the induced and un-induced cell extract is then visualised by SDS- PAGE.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616106900011730	KT69A	GeNei™ Bacterial Gene Expression Teaching Kit, 5 expts.	9520

Elpho Kit ETS4 (Cat # 107079)

Specially designed Mini size Vertical Electrophoresis Apparatus and Power Supply unit (50 V/100 V).

GeNei™ In-Vitro Transcription Teaching Kit

Transcription is the process of synthesizing RNA using DNA as the template. The reaction requires DNA template, rNTPS, DNA dependent RNA Polymerase, and buffer containing magnesium ions.

The kit demonstrates In-Vitro transcription reaction in the presence of specific T7 promoter and no transcription in its absence, highlighting the need for specific promoter by T7 RNA polymerase. Another interesting feature of the kit is differential staining of DNA and RNA.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616113100011730	KT131A	GeNei™ In-Vitro Transcription Teaching Kit, 10 expts.	7820

Note: UV Transilluminator is required.

PCR Related Techniques

GeNei™ Student PCR Teaching Kit

DNA amplification (Polymerase Chain Reaction) employing Taq DNA Polymerase is the ace technique used in various applications.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616104400011730	KT44A	GeNei™ Student PCR Teaching Kit, 10 expts.	6910
616104400021730	KT44B	GeNei™ Student PCR Teaching Kit, 20 expts.	8720

Note: UV Transilluminator, thermal cycler and EtBr are required.

Elpho Kit (Cat# 107070GB)

Specially designed mini size electrophoresis apparatus and power supply unit (50 V/100 V) which can be ordered separately.

GeNei™ Multiplex PCR Teaching Kit

Multiplex-PCR is a variant of PCR, which enables simultaneous amplification of many targets of interest in one reaction by using more than one pair of primers. This method has been applied in many areas of DNA testing, including analysis of deletions, mutations, and polymorphisms or quantitative assays and reverse transcriptase PCR. Typically, it is used for genotyping applications where simultaneous analysis of multiple markers is required, detection of pathogens or genetically modified organisms (GMO's), or for microsatellite analysis.

This kit enables the user to perform multiplex PCR using DNA containing the three loci considered to be amplified using six primers (3 forward and 3 reverse) that result in three bands, 200bp, 300bp and 500bp, respectively. The amplified products are then analysed by running the sample on 2.0% agarose gel along with a marker.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616110700011730	KT107A	GeNei™ Multiplex PCR Teaching Kit, 5 expts.	7420

Note: UV Transilluminator, thermal cycler, Electrophoresis system (Cat # 107070GB) and EtBr are required.

GeNei™ GMO Detection Teaching-Kit**(Simulation Study)**

Genetically modified foods (GM foods or GMF) offer a way to quickly improve crop characteristics such as yield, pest resistance. Herbicide tolerance, often to a degree not possible with traditional methods. The appearance of genetically modified foods in the market has resulted in a fire storm of public debate, scientific discussion, and media coverage, basically because it raises the concerns of human health, environmental, and economic problems, including unanticipated allergic responses to novel substances in foods. So it becomes inevitable to label the foods and food products

The Genetically Modified Organism Detection Teaching Kit is a simulation study which enables the user to simultaneously amplify more than one locus, in the same PCR reaction, representing a foreign DNA segment (Promoter, Gene, Marker or Terminator) in a GMO i.e. use multiplex PCR as a convenient and rapid screening assay for non-GMO and GMO sample.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616110800011730	KT108A	GeNei™ GMO Detection Teaching Kit (Simulation Study), 5 expts.	7040

Note: UV Transilluminator, thermal cycler, Electrophoresis system (Cat # 107070GB) and EtBr are required.

GeNei™ PCR Application Teaching Kit**(Amplification of Interferon Gene)**

Isolation of human genomic DNA by a fast and convenient protocol is important for the purpose of human identity, disease detection, etc. Subsequently, standard PCR-based amplification of genes/ fragments can be achieved using the isolated DNA.

The kit demonstrates a non-invasive isolation protocol of human genomic DNA followed by PCR for amplification of an interferon gene (500 bp).

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616110100021730	KT101B	GeNei™ PCR Application Teaching Kit, 20 expts.	23990

Note: UV Transilluminator, thermal cycler, Electrophoresis system (Cat # 107070GB) and EtBr are required.

GeNei™ RAPD Application Teaching Kit**(Rice Varieties Identification)**

An organism's DNA contains the blueprint of its characteristics. In case of plants, this would include features like yield, drought resistance starch content and so on.

Random Amplified Polymorphic DNA (RAPD) is a general technique employed for obtaining the molecular fingerprint of a strain or species. It is a convenient and sensitive method with increasing application in such fields as epidemiology, molecular genetics, microbial ecology, molecular evolution, and taxonomy.

This kit demonstrates the sensitivity of RAPD technique which differentiates one rice variety from the other varieties. The principles and methodologies of RAPD are described in detail.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616110000011730	KT100A	GeNei™ RAPD Application Teaching Kit, 5 expts.	6760
616110000021730	KT100B	GeNei™ RAPD Application Teaching Kit, 20 expts.	23990

Note: UV Transilluminator, thermal cycler, Electrophoresis system (Cat # 107070GB) and EtBr are required.

GeNei™ Genotyping Analysis Teaching Kit

A progeny always inherits equal contribution of genetic material from both parents. The kit mimics a real life situation when a child is claimed by more than one parent. PCR primers specific to different loci containing Short Tandem Repeats (STRs) amplify different sized fragments based on the number of copies of repeats present. A child's DNA sample thus would contain all the right sized PCR fragments that are present in either of the parent.

The kit demonstrates PCR-based amplification of multiple fragments from samples provided. The PCR products are run on agarose gel and genotypes analysed. The kit, however, does not contain human genomic DNA or primers specific to human genome.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616110200011730	KT102A	GeNei™ Genotyping Analysis Teaching Kit, 5 expts.	9050

Note: UV Transilluminator, thermal cycler, Electrophoresis system (Cat # 107070GB) and EtBr are required.

DNA Fingerprinting Techniques

GeNei™ DNA Fingerprinting Teaching Kit (using RFLP Technique)

DNA Fingerprinting is a well known technique for establishing authenticity. Apart from its forensic applications, it has also evolved as a simple, yet elegant technique in solving paternity disputes, confirming quality parameters in plant biotech industries, characterizing microorganisms and other applications in medical sciences.

Restriction fragment length polymorphism (RFLP) is an extremely sensitive technique for DNA fingerprinting to establish variations within samples based on up to a single base difference. In this procedure, restriction enzymes are used to cleave seemingly identical DNA samples. As a consequence of allelic differences arising out of mutations during evolution, DNA fragments of different sizes (DNA fingerprints) are produced.

The kit is designed to find out which one of the bacterial isolates has acquired a multiple drug resistant (MDR) plasmid. Plasmids isolated from five individual isolates (one control and four test samples) are supplied. Following restriction digestion and resolution of fragments on agarose gel, the students are asked to identify which one of the isolates has acquired MDR plasmid.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616109400011730	KT94A	GeNei™ DNA Fingerprinting Teaching Kit (Using RFLP technique), 5 expts.	7090
616109400021730	KT94B	GeNei™ DNA Fingerprinting Teaching Kit (Using RFLP technique), 25 expts.	24150

Note: UV Transilluminator and EtBr are required.

GeNei™ DNA Fingerprinting Teaching Kit (using RAPD Technique)

DNA Fingerprinting is a well known technique for establishing authenticity. Apart from its forensic applications, it has also evolved as a simple, yet elegant technique in solving paternity disputes, confirming quality parameters in plant biotech industries, characterizing microorganisms and other applications in medical sciences.

RAPD (Random Amplified Polymorphic DNA) is a PCR based technique that makes use of random primers that bind to a number of partially or perfectly complimentary sequences at unknown locations in the genome of an organism and produce specific bands (DNA fingerprints) that are unique. Due to variations in genomic DNA, the number and sizes of the amplified product will vary exhibiting genomic polymorphism.

The kit demonstrates RAPD technique in context to strain typing / identification.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616109500011730	KT95A	GeNei™ DNA Fingerprinting Teaching Kit (Using RAPD technique), 5 expts.	8550
616109500021730	KT95B	GeNei™ DNA Fingerprinting Teaching Kit (Using RAPD technique), 25 expts.	24360

Note: UV Transilluminator, thermal cycler and EtBr are required

GeNei™ Single Nucleotide Polymorphism (SNP) Demonstration Teaching Kit

Genetic disorders and other related diseases are often associated with Single Nucleotide Polymorphism (SNP) occurring at precise positions on genes/ genomes. Development of SNP-specific primers that amplify a specific fragment in PCR when a specific SNP is present helps in disease detection.

The kit provides an example on SNP detection where two DNA templates, one wild-type and the other template with SNP are used for PCR amplification individually along with 2 pairs (4 numbers) of primers, one pair specific to wild-type and the other, specific to SNP-type primer.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616109900011730	KT99A	GeNei™ Single Nucleotide Polymorphism (SNP) Teaching, 5 expts.	7880

Note: UV Transilluminator, thermal cycler, Electrophoresis system (Cat # 107070GB) and EtBr are required.

GeNei™ AFLP Teaching Kit

A novel DNA fingerprinting technique called Amplified Fragment Length Polymorphism is based on the selective PCR amplification of restriction fragments from a total digest of genomic DNA. The technique involves three steps: (i) restriction of the DNA and ligation of oligonucleotide adapters, (ii) selective amplification of sets of restriction fragments, and (iii) gel analysis of the amplified fragments. PCR amplification of restriction fragments is achieved by using the adapter and restriction site sequence as target sites for primer annealing. The selective amplification is achieved by the use of primers that extend into the restriction fragments, amplifying only those fragments in which the primer extensions match the nucleotides flanking the restriction sites. Using this method, sets of restriction fragments may be visualized by PCR without knowledge of nucleotide sequence. The method allows the specific co-amplification of high numbers of restriction fragments.

The AFLP Teaching Kit enables the user to digest total cellular DNA with one or more restriction enzymes, selectively amplify some of these fragments with two PCR primers that have corresponding adaptor and restriction site specific sequences and can visualise the banding pattern after electrophoretic separation.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616114700011730	KT147A	GeNei™ AFLP Teaching Kit, 5 expts.	8870

Note: UV Transilluminator, thermal cycler, Electrophoresis system, and EtBr are required.

Blotting Technique

GeNei™ Southern Hybridization Teaching Kit

Southern Hybridization is a technique involving transfer of DNA fragments separated on electrophoretic gels to nylon membrane. This is a widely used technique for detection of specific base sequences using complementary probes. This method is used to identify and quantitate specific DNA sequences.

The kit demonstrates the technique of Southern blotting and hybridization. The steps involved are:

- Electrophoretic separation of DNA molecules on agarose gel
- Electrophoretic transfer of DNA from gel to Nylon membrane
- Immobilization of DNA on to nylon membrane
- Hybridization and non-isotopic detection of DNA of interest.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616109600031730	KT96	GeNei™ Southern Hybridization Teaching Kit with ETS5, 5 expts.	27840
616109600011730	KT96A	GeNei™ Southern Hybridization Teaching Kit, 5 expts.	8880

Note:

- Elpho Kit ETS5 consist of Cat # 107089GB: Nucleic acid Submarine Electrophoresis System (Elpho Kit). Electrophoretic tank, small electroblotting system and power supply (50/100V).
- UV Transilluminator and EtBr are required.

GeNei™ Northern Blotting Teaching Kit

Northern blotting (named by analogy to Southern blotting) is used to characterize one or more specific mRNA transcripts in a sample of total RNA. Northern Blotting involves the electrophoresis of RNA, followed by transfer to a filter membrane, immobilization, and hybridization with a probe (target-specific DNA or RNA) of the membrane to which the RNA is bound. Northern blots may be used to quantitate a target, determine mRNA transcript size, detect alternative splice variants of a gene and identify closely related species.

The kit demonstrates the technique of Northern Blotting involving the various steps as described above.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616113800011730	KT138A	GeNei™ Northern Blotting Teaching Kit, 5 expts.	11990

Note:

- Elpho Kit ETS7 consists of Cat # 116681GB: Submarine Electrophoresis & Capillary Transfer; includes power supply, 50/100 V.
- UV Transilluminator and EtBr are required.

Microbial Genetics

GeNei™ Bacterial Conjugation Teaching Kit

Conjugation is one of the best known examples of chromosomal transfer through F plasmid in E.coli.

The kit demonstrates one of the earliest discoveries about recombination between donor and recipient requiring cell to cell contact.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616104500011730	KT45	GeNei™ Bacterial Conjugation Teaching Kit, 5 expts.	5880
616104500021730	KT45A	GeNei™ Bacterial Conjugation Teaching Kit, 20 expts.	14700

GeNei™ Plasmid Curing Teaching Kit

Plasmid curing means elimination of plasmid from its host cell. The kit demonstrates the curing of plasmid DNA from bacterial cells by use of a curing agent and screening of the cured cells.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616119000021730	KT190	GeNei™ Plasmid Curing Teaching Kit, 5 expts.	6040

GeNei™ Bacterial Transduction Teaching Kit

Genetic recombination in bacteria is the transfer of DNA from one organism to another. Natural mechanisms of genetic transfer in bacteria include transformation, transduction and conjugation. Transduction is the process by which transfer of DNA fragments occurs from one bacterium to another by a bacteriophage. This kit demonstrates the generalized transduction protocol. Teaches the lytic and lysogenic life cycle of bacteriophage.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616112300011730	KT123	GeNei™ Bacterial Transduction Teaching Kit, 5 expts.	7090

GeNei™ Phage Titration Teaching Kit

Phage Titration Teaching Kit demonstrates the lysing property of phage on a specific host. The kit enables the user to do titration and visualize the phage as plaques.

The materials provided in the kit are sufficient to carryout 5/20 experiments.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616100500011730	KT05	GeNei™ Phage Titration Teaching Kit, 5 expts.	6160
616100500021730	KT05A	GeNei™ Phage Titration Teaching Kit, 20 expts.	13200

GeNei™ Bacterial Transposons Teaching Kit

Transposons are sequences of DNA that can move around to different positions within the genome of a single cell, a process called transposition. In the process, they can cause mutations and change the amount of DNA in the genome. Transposons are also called "jumping genes" or "mobile genetic elements". The kit demonstrate detection of transposition through bacterial conjugation

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616112400011730	KT124A	GeNei™ Bacterial Transposons Teaching Kit, 5 expts.	8220

Microbiology Techniques

GeNei™ Bacterial Growth Curve Teaching Kit

Bacterial Growth Curve Teaching kit is designed to analyse and plot the growth curve of the bacterial strain provided. The kit provides enough materials to carry out 5 experiments.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616104600011730	KT46	GeNei™ Bacterial Growth Curve Teaching Kit, 5 expts.	4580

GeNei™ Bacterial Antibiotic Sensitivity Teaching Kit

The kit demonstrates the susceptibility of micro-organisms to different antibiotics. This kit is based on Kirby Bauer diffusion method.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616106800011730	KT68	GeNei™ Bacterial Antibiotic Sensitivity Teaching Kit, 5 expts.	9090

GeNei™ Isolation and Identification of Soil Bacteria Teaching Kit

In natural habitats, microorganisms usually grow in complex, mixed populations having several species like viruses, mycoplasma, algae, fungi (yeast and molds), bacteria, etc. To understand the role of these microorganisms in an ecosystem, microbiologists study them in pure cultures. This kit enables the students to learn microbial techniques involved in isolating bacteria from soil and their colony characteristics. The isolated bacteria are then identified by Gram staining procedure.

The kit also teaches about media composition, growth condition required, serial dilution technique and pour plate method.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616109000011730	KT90	GeNei™ Isolation and Identification of soil Bact Teaching, 5 expts.	13000

GeNei™ Karyotyping teaching Kit - 5 experiments,

Description: Karyotyping is a laboratory technique used to analyse chromosomes in order to look for any numerical/structural abnormalities. Using the technique we can count the number of chromosomes and look for structural/numerical changes in chromosomes

Karyotype is the systematic arrangement of chromosomes of the cell. This kit helps the students to

- To learn the technique of Human Chromosome Karyotyping by preparing metaphase spreads and banding of the chromosomes.
- To observe the G-banded chromosomes.

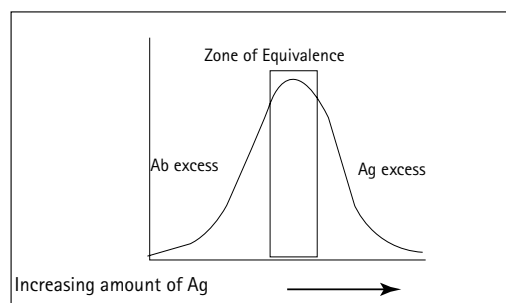
Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
622123900011730	KT239	GeNei™ Karyotyping Teaching Kit. (Consumables for 5 experiments)	9600

Immunoprecipitation Techniques GeNei™ Quantitative Precipitin Assay (QPA) Teaching Kit

QPA teaching kit is based on complete precipitation of antibody and antigen when mixed in optimum proportions and quantitating the precipitate by absorbance method. This assay gives reliable estimation of antigen or antibody content in samples.

A Typical antigen - antibody precipitin curve observed using the kit.



Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626101100011730	KT11	GeNei™ Quantitative Precipitin Assay Teaching Kit, 10 expts.	5700

Note: Spectrophotometer is required.

GeNei™ Immuno-precipitation Teaching Kit

This kit enables the students, the use of antibodies for antigen analysis by sensitive methods.

Immunoprecipitation kit is designed to identify the antigen of interest, often only a minor part of a complex mixture of proteins. Immunoprecipitation involves the separation of the antigen of interest from crude extract using Protein A/G agarose beads followed by analyzing on SDS PAGE.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626112200011730	KT122	GeNei™ Immuno-precipitation Teaching Kit, 5 expts.	7880

Immunodiffusion Techniques

GeNei™ Ouchterlony Double Diffusion (ODD) Teaching Kit (For Antigen Antibody Patterns)

This kit demonstrates the method by which the degree of similarity of the antigens can be assessed. In this test, different antigenic preparations, each containing single antigenic species, are allowed to diffuse from separate wells against the antiserum. Depending on the degree of similarity between the antigens, different geometrical patterns are produced between the antigens and antiserum wells. By observing the patterns produced, the similarity between the antigens is assessed.



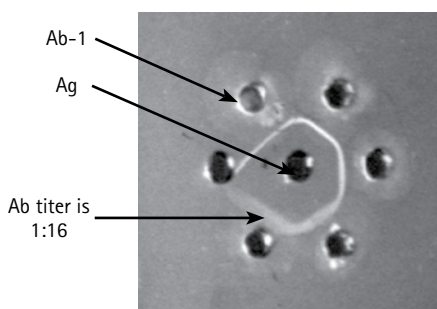
Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626107000011730	KT70	GeNei™ Ouchterlony Double Diffusion Teaching Kit, 15 expts (Ag - Ab Pattern),	4100

GeNei™ Ouchterlony Double Diffusion (ODD) Teaching Kit (For Antibody Titration)

The kit demonstrates the widely used screening test in antibody production, named after its inventor Ouchterlony. The ODD test is based on the formation of antigen-antibody precipitin line in agar gel. The test is useful in screening antigen and antibody.

A typical antibody titration observed using the kit is shown in the figure below. Antibody dilutions tested are 1:32 placed in the wells in clock wise direction from Ab-1 well. The intensity of precipitin line decreases with the increase in antibody dilution.



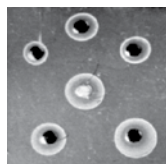
Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626100900011730	KT09S	GeNei™ Ouchterlony Double Diffusion Teaching Kit, 15 expts (Ag - Ab Titration),	2640

GeNei™ Radial Immunodiffusion (RID) Teaching Kit

RID teaching kit is based on the formation of antigen-antibody precipitation ring around the well in agarose gel. This test is used for estimating antigen or antibody content in samples.

A view of RID test results using the kit is shown in the following figure.



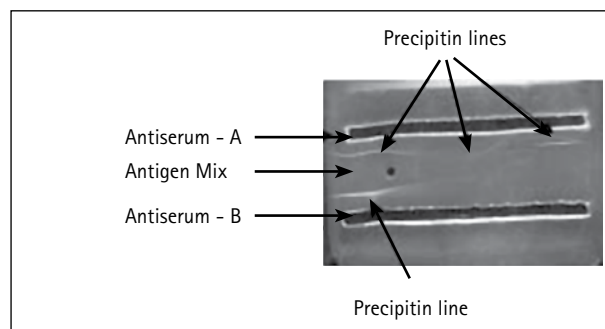
Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626101000011730	KT10S	GeNei™ Radial Immuno Diffusion Teaching Kit, 15 expts.	3130

Immuno electrophoresis Techniques GeNei™ Immuno electrophoresis (IEP) Teaching Kit

Immuno electrophoresis (Gabor Immuno electrophoresis) is a combination of electrophoretic separation of complex antigen mixture such as serum followed by immunodiffusion in gel to form antigen-antibody precipitin line. This technique is used to study complex proteins and homology of their antibody.

A typical pattern of precipitin line in IEP agarose gel is shown in the figure below.



Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626102000031730	KT20	GeNei™ Immuno electrophoresis Teaching Kit with ETS2, 5 expts.	11950
626102000011730	KT20A	GeNei™ Immuno electrophoresis Teaching Kit, 5 expts.	4320
626102000021730	KT20B	GeNei™ Immuno electrophoresis Teaching Kit, 10 expts.	5940

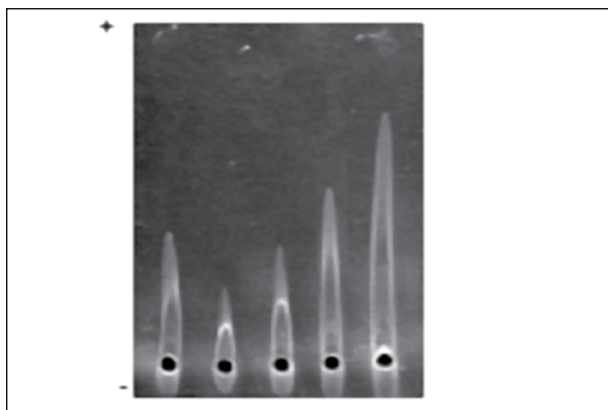
Elpho Kit (Cat # 107073GB)

- Specially designed mini size immuno electrophoresis apparatus and power supply unit (50 V/100 V) which can be ordered separately.
- Template and Glass Plate Provided with Cat # 626102000031730 only.

GeNei™ Rocket Immuno-electrophoresis (RIEP) Teaching Kit

Rocket immunoelectrophoresis is a variant of immunoelectrophoresis technique in line with radial immunodiffusion technique. In this technique antigen-antibody precipitate formed in the gel appears in the shape of a rocket. The rocket height gives a measure of antigen concentration.

A typical pattern of rockets in the RIEP gel under optimum conditions is shown in the figure below.



Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626104700011730	KT47A	GeNei™ Rocket Immunoelectrophoresis Teaching Kit, 5 expts.	5400
626104700021730	KT47B	GeNei™ Rocket Immunoelectrophoresis Teaching Kit, 20 expts.	11450

GeNei™ Counter Current Immunoelectrophoresis (CCIEP) Teaching Kit

In CCIEP, immunodiffusion in gel is enhanced by electrophoresis of antigen and antibody and precipitin line is formed within a short period. This technique is useful in screening antigen and antibody.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626102900011730	KT29A	Counter Current Immunoelectrophoresis Teaching Kit, 10 expts.	3920

Agglutination Techniques

GeNei™ Latex Agglutination Teaching Kit

This test is used for detection of antigen or antibody using antibody or antigen coated latex microspheres. Thus for antibody detection, latex particles are coated with antigen and the coated latex agglutinates in the presence of specific antibody. The agglutination of antigen coated latex is specifically inhibited by pre-incubating the antibody with the antigen.

This kit demonstrates the coating of latex, latex agglutination and agglutination inhibition assay.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626105300011730	KT53	GeNei™ Latex Agglutination Teaching Kit, 10 expts.	5040
626105300021730	KT53A	GeNei™ Latex Agglutination Teaching Kit, 20 expts.	5450

ELISA Based Techniques

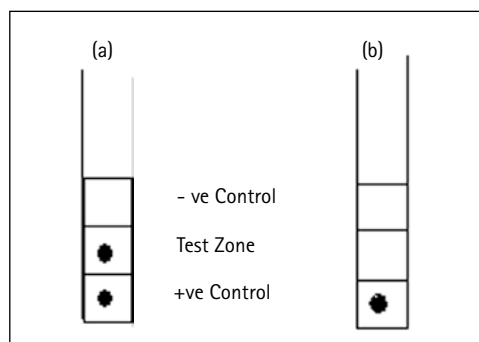
GeNei™ Dot ELISA Teaching Kit

Dot ELISA Kit enables the demonstration of direct sandwich assay for an antigen. The test is developed using two antibodies to an antigen. One of the antibodies is immobilized on a strip and the other linked with an enzyme. The assay result is interpreted by viewing the color developed at the final step.

A typical result seen using the kit is as follows:

- Sample containing the antigen.
- Sample without the antigen.

Appearance of results



Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626101200011730	KT12S	GeNei™ Dot ELISA Teaching Kit, 15 expts.	3490

GeNei™ Antigen Capture ELISA Teaching Kit

In antigen capture ELISA, antibody is bound to solid phase and the antigen in the test solution along with the labelled antigen is allowed to compete for the binding sites of the antibody.

This kit demonstrates the principle of competitive ELISA, a type of antigen capture ELISA. Here the antibody is bound to the solid phase. The antigen is labelled and a constant amount of labelled antigen is mixed with the test solution which contains an unknown amount of the antigen and then allowed to bind to the antibody on the solid phase. High levels of antigen in the test solution will reduce the amount of bound labelled antigen. The quantitation of the antigen is done using standard antigen provided in the kit.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626105000011730	KT50	GeNei™ Antigen Capture ELISA Teaching Kit, 4 expts.	7480

Note: Spectrophotometer is required.

GeNei™ Antibody Capture ELISA Teaching Kit

Kit demonstrates the method used for quantitation of antibody. In this method, the test solution containing the unknown amount of antibody is added to the antigen bound wells. The unbound antibody is washed off. The antibody bound to the immobilized antigen is detected using a labelled secondary antibody.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626105100011730	KT51	GeNei™ Antibody Capture ELISA Teaching Kit, 4 expts.	5130

Note: Spectrophotometer is required.

GeNei™ Sandwich ELISA Teaching Kit

Kit demonstrates the method used to determine the antigen concentration in unknown samples by sandwich ELISA technique.

In this method one of the two antibodies is bound to the solid phase and the antigen in a test solution is allowed to bind to the antibody. Unbound proteins are removed by washing and then the labelled second antibody is allowed to bind to the antigen. After washing, the amount of bound labelled second antibody is assayed by using appropriate substrate.

The kit contents are sufficient for 4 experiments.

Ordering Information:

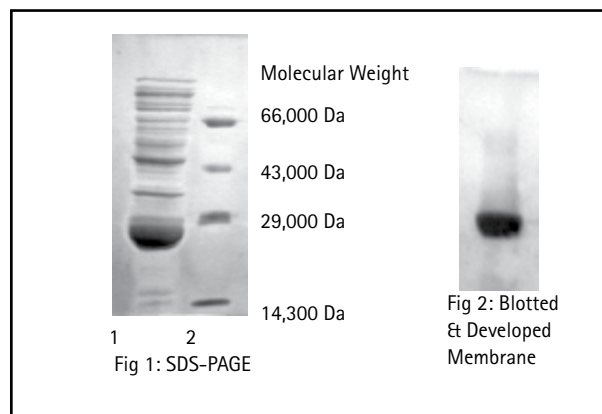
Cat #	Pl. #	Product	Unit Price ₹
626105200011730	KT52	GeNei™ Sandwich ELISA Teaching Kit, 4 expts.	4950

Immunoprobng Techniques

GeNei™ Western Blotting Teaching Kit

'Western Blotting Kit' is a demonstration kit for students to understand the technique of western blotting. This involves :

- Electrophoretic separation of denatured proteins by polyacrylamide gel electrophoresis - 'SDS - PAGE',
- Electrotransfer of proteins from gel to nitrocellulose membrane - 'Western Blotting'
- Localizing the protein of interest by using immunochemicals - 'Immunodetection'.



Lane 1: Protein

Lane 2: Protein Molecular Weight Marker

Elpho Kit (Cat # 107074GB) ETS3

Specially designed mini size Vertical Gel Electrophoresis, Electrotransfer apparatus, power supply unit (25 V/100 V), which can be ordered separately.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626102100031730	KT21	GeNei™ Western Blotting Teaching Kit with ETS3, 5 expts.	35650
626102100011730	KT21A	GeNei™ Western Blotting Teaching Kit, 5 expts.	11000
626102100021730	KT21B	GeNei™ Western Blotting Teaching Kit, 20 expts.	25300

GeNei™ Immunohistochemistry Teaching Kit

This is a demonstration kit for students to learn the method to localize an antigen in cell and tissue using antibodies.

In this technique, the antibody binds specifically to the antigen present in the cell and the antigen-antibody complex is detected using an enzyme-linked secondary antibody. Upon addition of the substrate, an insoluble coloured precipitate is formed wherever the antigen is present.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626109700011730	KT97	GeNei™ Immunohistochemistry Teaching Kit, 5 expts.	9070

Note:

DPX Mountant will not be supplied with this kit With effect from 2010-11

GeNei™ Antibody-HRP Conjugation Teaching Kit

Immunoprobe is a prerequisite for majority of immunodiagnostic and many analytical techniques in modern biological studies. The most commonly used probe is antibody linked with an enzyme.

This kit gives hands on experience on labelling an antibody with, horseradish peroxidase (HRP) and its use in dot ELISA.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626104800011730	KT48	GeNei™ Antibody-HRP Conjugation Teaching Kit, 5 expts.	5740

Chromatographic Techniques GeNei™ Gel Filtration Chromatography Teaching Kit

Gel filtration also known as size exclusion chromatography is widely used in purification of proteins and bio-molecules on the basis of their size.

The kit gives an exposure to this technique, terminology and parameters used. It also gives hands on experience of a prototype purification of bio-molecules.

GeNei™ Ion Exchange Chromatography Teaching Kit

Ion exchange chromatography is a technique in which the bio-molecules are isolated on the basis of their interaction due to the charge acquired in particular medium with charged group on solid support. The solid support and the medium is selected which enables the binding of bio-molecules of interest.

The kit gives an opportunity to learn this technique with hands on experience in purifying an enzyme and monitoring the purity on the basis of its activity.

Note: Spectrophotometer is required

GeNei™ Affinity Chromatography Teaching Kit

Affinity chromatography is a technique which enables purification of molecules on the basis of their biological function. Almost every laboratory concerned with the purification of biological substances use this technique.

The kit gives an opportunity to learn this technique with hands on experience in purifying an enzyme and monitoring the purity on the basis of its activity.

Note: Spectrophotometer is required

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626103900011730	KT39	GeNei™ Gelfiltration Chromatography Teaching Kit, 5 expts.	4950
626104000011730	KT40	GeNei™ Ion Exchange Chromatography Teaching Kit, 5 expts.	5450
626104100011730	KT41	GeNei™ Affinity Chromatography Teaching Kit, 5 expts.	6720

GeNei™ Immunoglobulin G Isolation Teaching Kit

Isolation/purification of Immunoglobulins by protein A affinity is followed regularly for purification of antibodies prior to its use in immunological techniques directly or to prepare immunological reagents.

This kit demonstrates easy and rapid purification of IgG from serum and checking its purity on reduced polyacrylamide gel electrophoresis (SDS-PAGE).

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626110600011730	K106A	GeNei™ Immunoglobulin G Isolation Teaching Kit (Consumables for 5 Expts)	8630

Note: Spectrophotometer is required.

GeNei™ Thin Layer Chromatography Teaching Kit

TLC (Thin Layer Chromatography) is a widely used chromatography technique to separate chemical compounds by using a mobile phase (a liquid or gas) that move the sample along a stationary phase (solid) by capillary action. Since the individual components in the sample have different molecular structures they interact differently with both the stationary and mobile phases & consequently move at different rates by the mobile phase, thus helping in purity analysis of the sample.

The kit demonstrates the separation of different amino acids from a given mixture by TLC method & its R_f value calculation.

TLC Chamber:

Specially designed for performing the kit, which can be ordered separately.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
616119290021730	KT192	GeNei™ Thin Layer Chromatography Teaching Kit (TLC chamber), 10 expts,	7130

GeNei™ Recombinant Protein Purification Teaching Kit

Recombinant Protein purification kit exploits the principle of affinity chromatography technique for purification of target protein. The kit teaches students the concept of purifying recombinant proteins with a protein tag.

In the kit, bacterial lysate with protein tag is provided for purification of fusion protein.

Note : Additional Requirements

Cat#106680GB, Vertical Mini Gel System,

Cat#106854GB, PS 100 (Power pack)

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626120300011730	KT203	GeNei™ Recombinant Protein Purification Teaching Kit, 5 expts.	7990

Protein Electrophoresis

GeNei™ SDS-PAGE Teaching Kit

The technique of polyacrylamide gel electrophoresis (PAGE) is most widely used technique in the field of bioscience. Reduced or denatured PAGE generally known as SDS-PAGE is useful in studying a known or unknown, simple or complex and single or a mixture of proteins for purity and molecular size. The technique is also useful to get similar information on polypeptides.

'SDS-PAGE Kit' is a demonstration kit for students to understand the principle and working of the technique and its applications.

The protein bands are seen on the PAGE gel using coomassie blue stain, as shown below.

Elpho Kit (Cat # 107074GB)

Specially designed mini size Vertical Gel Electrophoresis, Electro Blotting apparatus, power supply unit (25 V/100 V), which can be ordered separately.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626103000011730	KT30A	GeNei™ SDS-PAGE Teaching Kit, 10 expts.	7150
626103000021730	KT30B	GeNei™ SDS-PAGE Teaching Kit, 20 expts.	9520

GeNei™ 2D-PAGE Teaching Kit

The kit demonstrates the concept of Two-Dimensional Polyacrylamide Gel Electrophoresis

2D-PAGE Teaching kit gives hands on experience of 2D-PAGE in which the proteins are separated according to charge (pI) by IEF in the first dimension and according to size by SDS-PAGE in the second dimension. It has a unique capacity for the resolution of complex mixtures of proteins permitting the simultaneous analysis of sample.

Note:

Elpho Kit ETS6 (Cat #116676GB): Specially designed vertical gel electrophoresis and IEF apparatus, which can be ordered separately.

Power pack not included. Order if needed: PS 100 Model (New Cat# 106854GB) Range: 50 to 250 volts

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626114500011730	KT145A	GeNei™ 2D-PAGE Teaching Kit, 5 expts.	14800

Protein Analysis Techniques

GeNei™ Enzyme Kinetics Teaching Kit

Enzyme kinetics is a branch of enzymology that deals with factors affecting the rates of enzyme-catalyzed reactions. The kit enables to study the factors influencing enzyme kinetics such as enzyme and substrate concentrations, pH and temperature.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
626108900011730	KT89	GeNei™ Enzyme Kinetics Teaching Kit, 5 expts.	4090

Note: Spectrophotometer is required.

GeNei™ Elpho Kit

Genie has a novel electrophoresis system for students. Economy and simplicity are the two important aspects of this system. Other features of this system are:

The mini electrophoresis model is a complete system - it has both electrophoresis tank and a power supply;

One can cast 100 x 70 mm agarose gel and perform electrophoresis with just 100 ml of buffer;

For gel casting, gel solution is poured in the buffer reservoir itself. Separate gel platform is not required and thus gel casting is made simpler.

The whole system is very economical and recommended for students of molecular biology and biotechnology.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
107070GB	ETS-1	GeNei™ Elpho kit,	8540
107071GB	ETS-1-05	GeNei™ Comb stand for 107070,	780

Elpho Kit: Cat # 107070 (ETS1)

Includes:

- Electrophoresis tank
- Power Supply
- Acrylic comb
- Comb stand
- Connecting cord

GeNei™ Elpho Kit for Immunoelectrophoresis

This is a specially designed immunoelectrophoresis equipment set for working with our teaching kits.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
107073GB	ETS2	GeNei™ Elpho Kit for immunoelectrophoresis,	8700



Elpho Kit: Cat # 107073 (ETS2)

Includes:

- Power supply
- Slot cutting knife
- Connecting cord
- Templates and
- Template holder with electrodes
- Gel punch
- Glass plates
- Gel remover
- Electrophoresis tank

GeNei™ Elpho Kit for PAGE & Electrotransfer

The equipment are designed for teaching polyacrylamide gel electrophoresis (PAGE) and Western blotting techniques using our teaching kits.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
107074GB	ETS3	GeNei™ Elpho Kit for PAGE & Electrotransfer,	28620
107075GB	ETS3-01	GeNei™ Glass Plates for 107074	710



Elpho Kit: Cat # 107074 (ETS3)

- Small vertical gel electrophoresis system
- Small Electro blotting system
- Power supply
- Accessories

GeNei™ Elpho Kit for PAGE

The equipment are designed for teaching polyacrylamide gel electrophoresis (PAGE) technique using our teaching kits.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
107079GB	ETS4	GeNei™ Elpho Kit for PAGE,	11030



Elpho Kit: Cat # 107079 (ETS4)

- Small vertical gel electrophoresis system
- Power supply 50/100 V
- Accessories

GeNei™ Elpho Kit for Submarine Electrophoresis & Electrotransfer

The equipment are designed for teaching Submarine electrophoresis and Electrotransfer techniques using our teaching kits.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
107089GB	ETS5	GeNei™ Elpho Kit for Submarine & Electro Transfer includes power supply,	23880



Elpho Kit: Cat # 107089 (ETS5)

- Small Submarine electrophoresis system
- Electrotransfer system
- Power supply 50/100 V
- Accessories

GeNei™ Elpho Kit for 2-Dimensional Polyacrylamide Gel Electrophoresis System

The Equipment are designed for teaching 2-Dimensional Polyacrylamide Gel Electrophoresis technique using our teaching kits.

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
116676GB	ETS6	GeNei™ Elpho Kit for 2-Dimensional Polyacrylamide Gele Electrophoresis,	13630

Purchase if needed: PS 100 Model, 50-250 volts (New Cat# 106854GB)



GeNei™ Elpho Kit for Submarine Electrophoresis and Capillary Transfer

The equipment are designed to teach submarine agarose gel electrophoresis and capillary transfer technique using Northern Blotting teaching kit (616113800031730).

Ordering Information:

Cat #	Pl. #	Product	Unit Price ₹
116681GB	ETS7	GeNei™ Elpho Kit for Submarine Electrophoresis and capillary transfer,	10190

Techware

Submarine Electrophoresis Systems & Accessories

The most efficient way to separate DNA fragments in Agarose Gels is by "Submarine" electrophoresis. In this technique, the entire gel is submerged in the buffer.

We offer different type of models for different applications like Mini, Midi, Maxi, Maxi XL, Maxi XXL etc.

Selection Guide – Submarine Electrophoresis System

Specification	Mini Sub System	Midi Sub System	Midi Sub Prep System	Maxi Sub System	Maxi Sub XL System	Maxi Sub XXL System
Dimensions (l x b x h) cm	20x10x10	24x18x10	37x18x10	33x23x10	40x33x12	42x34x8
Gel Size (cm)	10x7	13x13	13x25	20x20	30x25	20x30
No. of Samples	8	13	13	26	99	120
Water Circulation	No	No	No	No	Yes	Yes
Pl. No.	03-01	03-02	03-03	03-04	03-07	03-09
Cat No.	106470GB	106508GB	106562GB	106589GB	106614GB	106627GB

Mini Sub System

Specification:

Make	: Genei
Model	: Mini Sub System
Pl. No	: 03-01
Cat No.	: 106470GB
Principal Material	: Acrylic
Inner tank dimension	: 190 x 80 x 55 mm
No. of trays	: 100 x 70 mm – 1 No. 50 x 70 mm – 2 Nos.
No. of combs	: 8 Well Analytical Acrylic Comb 1.5 mm thick x 2 Nos. 3 Well Preparative Acrylic Comb 3 mm thick – 1 No.
No. of gel casting tray	: 1 universal.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.



Recommended Power Supplies:

106854GB, 106855GB, 106857GB, 106859GB, 117802GB

Midi Sub System

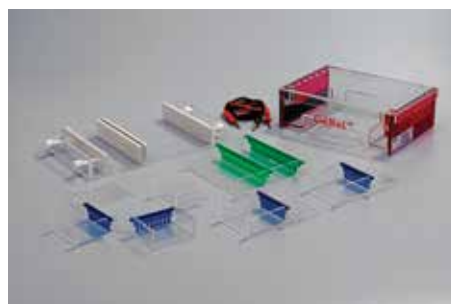
Specification:

Make	: Genei
Model	: Midi Sub System
Pl. No	: 03-02
Cat No.	: 106508GB
Principal Material	: Acrylic
Inner tank dimension	: 215 x 141 x 55 mm
No. of trays	: 130 x 130 mm - 1 No. 130 x 65 mm - 2 Nos. 65 x 60 mm - 4 Nos.
No. of combs	: 13 Well Analytical Acrylic Comb 1.5 mm thick x 1 No. 8 Well Analytical Acrylic Comb 1.5 mm thick x 4 Nos. 3 Well Preparative Acrylic Comb 3 mm thick x 1 No.

No. of gel casting tray	: 1 universal.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.

Recommended power supplies:

106854GB, 106855GB, 106857GB, 106859GB, 117802GB



Midi Sub Preparation System

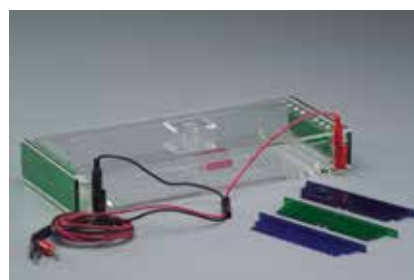
Specification:

Make	: Genei
Model	: Midi Sub Preparation Systems.
Pl. No.	: 03-03
Cat No.	: 106562GB
Principal Material	: Acrylic
Inner tank dimension	: 385 x 143 x 70 mm
No. of trays	: 250 x 130 mm - 1 No.
No. of combs	: 13 Well Analytical Acrylic Comb 1.5 mm thick x 1 No, 3 Well Preparative Acrylic Comb, 3 mm thick and 3 Well Preparative Acrylic Comb 6 mm thick x 1 No. each.

No. of gel casting tray	: 1 x 250 mm x 130 mm
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.

Recommended Power Supplies:

106854GB, 106855GB, 106857GB, 106859GB, 117802GB



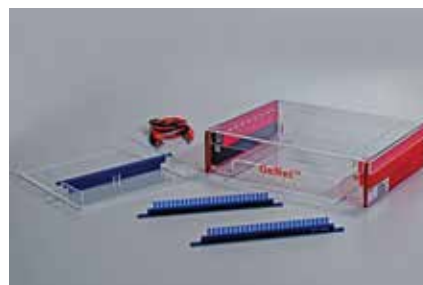
Maxi Sub System

Specification:

Make	: Genei
Model	: Maxi Sub System
Pl. No.	: 03-04
Cat No.	: 106589GB
Principal Material	: Acrylic
Inner tank dimension	: 310 x 215 x 68 mm
No. of trays	: 200 x 200 mm - 1 No.
No. of combs	: 26 Well Analytical Acrylic Comb 1.5 thick x 2 Nos. 3 Well Preperative Acrylic Comb 3 mm thick x 1 No.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.

Recommended Power Supplies:

106857GB, 106859GB, 117802GB
Gel Casting unit is an optional Accessory



Maxi Sub XL System

Make	: Genei
Model	: Maxi Sub XL System
Pl. No.	: 03-07
Cat No.	: 106614GB
Principal Material	: Acrylic
Inner tank dimension	: 355 x 310 x 65 mm
No. of trays	: 300 x 250 mm - 1 No.
No. of combs	: 33 Well Analytical Acrylic Comb 2 mm thick x 3 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.

Recommended Power Supplies:

106859GB, 117802GB, 106857GB
Gel Casting unit is an optional Accessory



Maxi Sub XXL System

Make	: Genei
Model	: Maxi Sub XXL System
Pl. No.	: 03-09
Cat No.	: 106627GB
Principal Material	: Acrylic
Inner tank dimension	: 380 x 300 x 50 mm
No. of trays	: 300 x 200 mm - 1 No.
No. of combs	: 3, 5, 8 Well Preperative Acrylic Comb 3 mm thick 1 No. each. 16, 20 Well Analytical Acrylic Comb 2 mm thick -1 each. 40 Well Analytical Acrylic Comb 2 mm thick x 3 Nos.
Gel casting tray	: 1 No. with Levelling table.

Connecting cord : red and black (1 each).
No. of Platinum electrodes : red and black (1 each).
Lid : 1 No.

Recommended Power Supplies:

106857GB, 106859GB



Ordering Information:

Cat No	Pl No	Product	Pack Size	Unit Price ₹
SUBMARINE ELECTROPHORESIS SYSTEMS				
Mini Sub System:				
106470GB	03-01	Mini Sub System: Small model gel size 10 x 7 cm (for 8 samples)Accessories for Mini Sub Systems	1 Unit	8530
Midi Sub System				
106508GB	03-02	Midi Sub System: Analytical model gel size 13 x 13 cm (for 13 samples)	1 Unit	13730
Midi Sub Prep System				
106562GB	03-03	Midi Sub Prep System: Preparative model gel size 13 cm x 25 cm (for 13 samples)	1 Unit	14730
Maxi Sub System				
106589GB	03-04	Maxi Sub System Large model Gel Size 20 cm x 20 cm (for 26 samples)	1 Unit	16225
Maxi Sub XL System:				
106614GB	03-07	Maxi Sub XL System: Extra large model (Custom built) Gel Size 30 cm x 25 cm (for 33 x 3 = 99 samples) with inbuilt comb stand Multi Channel Pipette Compatible	1 Unit	25960
Maxi Sub XXL System:				
106627GB	03-09	Very Large Model (for 40 x 3 = 120 samples) Gel Size 20 cm x 37 cm with inbuilt comb stand Multi Channel Pipette Compatible combs 3, 5, 8, 16, 20, 40 x 3 wells	1 Unit	30500
Submarine Electrophoresis System (Imported)				
116668GB	ISE1	Submarine Electrophoresis System (Imported) (Size: 10 cm x 7 cm Tray)	1 Unit	58600

Imported Submarine Electrophoresis System

The most efficient way to separate DNA fragments in Agarose Gels is by "Submarine" electrophoresis. In this technique, the entire gel is submerged in the buffer. Bangalore Genei offers complete system with moulded basic unit and electrode. Connecting cord and lid can be removed easily while loading the sample. As basic tank is an moulded unit there is no chances of buffers leakage from the tank. Gel Electrophoresis System, accompanies with 10X7cm tray, one 15X1.0 mm teeth and one 20X1.0 mm teeth fixed height combs.

Specification:

Model	: Imported Submarine Electrophoresis System
Pl. No.	: ISE1
Cat No.	: 116668GB
Principal Material	: Acrylic
Inner tank dimension	: 150 x 80 x 50 mm
No. of trays	: 10 x 7 cm Tray - 1 No.
No. of combs	: 15 Well Analytical Acrylic Comb 1 mm thick 1 No. 20 Well Analytical Acrylic Comb 1 mm thick x 1 No.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.



Recommended Power Supplies:

106854GB, 106855GB, 106857GB, 106859GB, 117802GB.

UV Transparent Systems

UVT Submarine Gel electrophoresis system is Well known to reduce gel handling hazards by means of having UV transparent base. The system is supplied with UV transparent acrylic running tray, thereby allowing direct viewing of nucleic acid bands over the UV transilluminator without removing the gel. Genei manufactures different type of UV transparent systems for different applications.

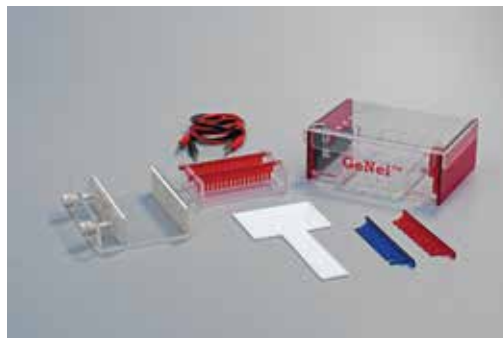
Miniphor & Maxiphor UVT System

The Miniphor and Maxiphor UVT system contains separate UV Transparent gel running tray with removable electrodes. Gel running tray can be placed directly on the transilluminator to view the gel. Instrument will be supplied along with the gel casting tray and different type of combs for different volume of samples.

Miniphor UVT systems

Specification:

Make	: Genei
Model	: Miniphor UVT System
Pl. No.	: 21-02
Cat No.	: 106888GB
Principal Material	: UV Transparent Acrylic
Inner tank dimension	: 125 x 115 x 35 mm
No. of trays	: 100x70 mm - 1 No. UV transparent.
No. of combs	: 8, 12, 16 Analytical Acrylic Comb 1.5 mm thick x 1 each.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Gel scoop	: 1 No.



Recommended Power Supplies:

106859GB, 106857GB, 106859GB, 117802GB.

Maxiphor UVT System

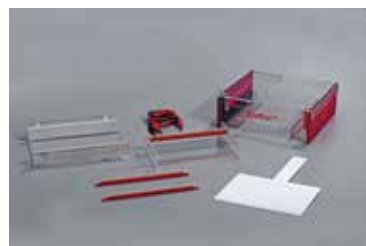
Specification:

Make	: Genei
Model	: Maxiphor UVT Systems
Pl. No.	: 21-03
Cat No.	: 106901GB
Principal Material	: UV Transparent Acrylic.
Inner tank dimension	: 210 x 200 x 60 mm
No. of trays	: 150x130mm - 1 No. UV transparent.
No. of combs	: 8, 14, 20 Well Analytical Acrylic Comb 1.5 mm thick 1 each.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).

Lid	: 1 No.
Gel scoop	: 1 No.

Recommended Power Supplies:

106859GB, 106857GB, 106859GB, 117802GB.



Mini Sub System UV Transparent

Make	: Genei
Model	: Mini Sub System UV Transparent
Pl. No.	: 03-01 UV
Cat No.	: 106471GB
Principal Material	: Acrylic
Inner tank dimension	: 180 x 70 x 35 mm
Gel size	: 100 x 70 mm - 1 No. UV transparent.
No of trays	: Inbuilt
No. of combs	: 10 Well Analytical Acrylic Comb 1.5 mm thick x 2 Nos. 3 Well Preparative Acrylic Comb 3 mm thick x 1 No.

Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Gel scoop	: 1 No.

Recommended Power Supplies:

106859GB, 106855GB, 106857GB, 106859GB, 117802GB



UVT submarine systems

Midi Sub System UV Transparent:

Specification:

Make	: Genei
Model	: Midi Sub System UV Transparent
Pl. No.	: 03-02 UV
Cat No.	: 106509GB
Principal Material	: Acrylic
Inner tank dimension	: 210 x 130 x 35 mm
Gel size	: 130 x 130 mm. UV transparent.
No of trays	: Inbuilt
No. of combs	: 15 Well Analytical Acrylic Comb 1.5 mm thick x 1 No. 3 Well Preparative Acrylic Comb 3 mm thick x 1 No.

Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Gel scoop	: 1 No.

Recommended Power Supplies:

106859GB, 106855GB, 106857GB, 106859GB, 117802GB



Midi Preparative Sub System UV Transparent

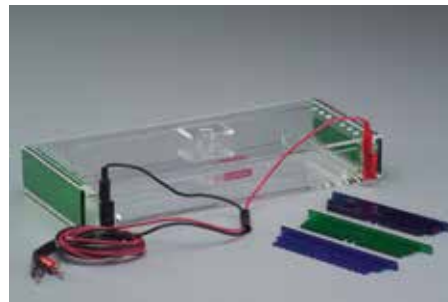
Specification:

Make	: Genei
Model	: Midi Preparative System UV Transparent.
Pl. No.	: 03-03 UV
Cat No.	: 106563GB
Principal Material	: Acrylic
Inner tank dimension	: 335 x 130 x 30 mm
Gel size	: 250 x 130 mm. UV transparent.
No of trays	: Inbuilt
No. of combs	: 15 Well Analytical Acrylic Comb 1.5 mm thick x 1 No. 3 Well Preparative Acrylic Comb 3 mm thick x 1 No. 3 Well Preparative Acrylic Comb 6 mm thick x 1 No.

Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Gel scoop	: 1 No.

Recommended Power Supplies:

106859GB, 106857GB, 106859GB, 117802GB.



Maxi Sub System UV Transparent

Specification:

Make	: Genei
Model	: Maxi Sub System UV Transparent.
Pl. No.	: 03-04 UV
Cat No.	: 106590GB
Principal Material	: Acrylic
Inner tank dimension	: 310 x 215 x 68 mm
Gel size	: 200 x 200 mm. UV transparent.
No of trays	: Inbuilt
No. of combs	: 26 Well Analytical Acrylic Comb 1.5 mm thick x 1 No. 3 Well Preparative Acrylic Comb 3 mm thick x 1 No. 3 Well Preparative Acrylic Comb 6 mm thick x 1 No.

Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Gel scoop	: 1 No.

Recommended power supplies:

106859GB, 106859GB.



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
UV TRANSPARENT SUBMARINE ELECTROPHORESIS SYSTEM				
106471GB	03-01UV	Mini Sub System UV Transparent: Small model Gel Size (10 x 7) cm for 10 samples	1 Unit	12850
106509GB	03-02UV	Midi Sub System UV Transparent: Analytical model Gel Size (13 x 13) cm 15 samples	1 Unit	21810
106563GB	03-03UV	Midi Prep Sub System UV Transparent: Preparative model Gel Size (25 x 13) cm 15 samples	1 Unit	33420
106590GB	03-04UV	Maxi Sub System UV Transparent: Large model Gel Size (20 x 20) cm 26 samples	1 Unit	33420
Miniphor & Maxiphor Uvt Systems				
106888GB	21-Feb	Miniphor UVT System Complete Set with 8, 12, 16 well combs	1 Unit	13950

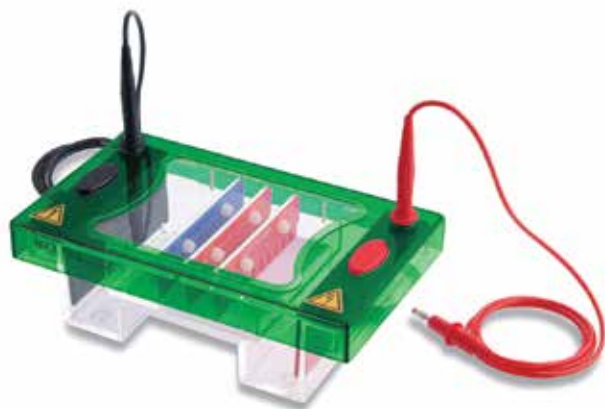
Midi Sub System

Features

- Gel tray options of 10 cm x 7 cm and 10 cm x 10 cm, the midi horizontal unit has been designed for routine horizontal gel electrophoresis
- Extending only the width of this unit allows more samples to be resolved per gel than the midi horizontal system without a significant increase in buffer or gel volumes
- A maximum of 100 samples per gel can be resolved making this unit ideal for those routinely checking medium number of samples over short to medium gel run lengths
- Gel dimensions (W x L) : 10 cm x 7 cm or 10 cm x 10 cm
- Buffer volume : 300 ml

Specification:

Make	: Imported
Pl. no.	: ISE3
Principal material	: Acrylic
Tank dimension	: 22 cm x 12.5 cm x 9 cm
No. of trays	: 10 cm x 7 cm and 10 cm x 10 cm
No. of combs	: 16 well x 2 nos. (1 mm thick)
Buffer volume	: 300 ml
Gel casting dams	: 2 nos.
Connecting cord	: 1 each (red and black)
Electrodes	: 1 each (red and black)
Lid	: 1 no.



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120051GB	ISE3	Midi Sub System : 10 x 7 & 10 x 10 cm (2 combs x 16 samples)	64350

Midi Plus Horizontal System

Features

- Three tray options are available, 15 cm x 7 cm, 15 cm x 10 cm and 15 cm x 15 cm, allowing the choice of one, two or all three gel length options at the time of purchase
- Further purchases of additional accessories are no longer required
- Maximising comb and tray options allow up to 210 samples to be resolved per gel
- The 15 cm total run length allows restriction fragment or other close MW sample bands to be easily separated and identified
- Speed loading is accomplished using 10, 14, 16, 18, 28 and 30 sample multi-channel pipette compatible combs
- Gel dimensions (W x L) : 15 cm x 7 cm, 15 cm x 10 cm or 15 cm x 15 cm
- Buffer volume : 500 ml
- Maximum sample capacity : 210

Specification:

Make	: Imported
Pl. no.	: ISE4
Principal material	: Acrylic
Tank dimension	: 26.5 cm x 17.5 cm x 9 cm
No. of trays	: 15 cm x 7 cm : 15 cm x 10 cm : 15 cm x 15 cm
No. of combs	: 20 well x 2 nos. (1 mm thick)
Buffer volume	: 500 ml
Gel casting dams	: 2 nos.
Connecting cord	: 1 each (red and black)
Electrodes	: 1 each (red and black)
Lid	: 1 no.



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120052GB	ISE4	Midi Plus Horizontal System : 15 x 7 : 15 x 10 : 15 x 15 & 10 x 10 cm (2 combs x 20 samples)	73150

Maxi Horizontal System

Features

- The maxi horizontal unit is primarily designed for resolution of high number of samples such as from Cloning or PCR. It allows ultra high-resolution separations over extended runs
- Tray sizes correspond to standard blotter sizes. It also allows easy sample transfer onto a membrane for further analysis
- Three tray sizes are available, 20 cm x 20 cm, 20 cm x 25 cm and a half-length 20 cm x 10 cm. Multichannel Pipette compatible 40 sample comb facilitate speed loading of up to 440 samples per gel while 50 sample comb allows maximum sample capacity of 550 samples per gel
- Gel dimensions (W x L) : 20 cm x 10 cm, 20 cm x 20 cm or 20 cm x 25 cm
- Buffer volume : 1200 ml
- Maximum sample capacity : 550

Specification:

Make	: Imported
Pl. no.	: ISE5
Principal material	: Acrylic
Tank dimension	: 39.5 cm x 23 cm x 9 cm
No. of trays	: 20 cm x 10 cm : 20 cm x 20 cm : 20 cm x 25 cm
No. of combs	: 20 well x 2 nos. (1 mm thick)
Buffer volume	: 1200 ml
Gel casting dams	: 2 nos.
Connecting cord	: 1 each (red and black)
Electrodes	: 1 each (red and black)
Lid	: 1 no.



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120053GB	ISE5	Maxi Horizontal System : 20 x 10 : 20 x 20 : 20 x 25 cm (2 combs x 20 samples)	109450

Maxi Plus Horizontal System

Features

- Designed for rapid screening of very large number of Cloning or PCR samples, the maxi-plus horizontal unit has a 672 maximum sample capacity per gel. This allows loading and analysis of exactly seven 96 well format micro titre plates
- The large gel run length of 32 cm also allows resolution of samples over a long distance for separation of complex sample bands such as in Restriction Fragment analysis
- The unit is available with a full length tray, with other tray length options of 16 cm or 24 cm or with all three gel tray lengths so that the user's exact requirements can be matched
- Buffer recirculation ports are included as standard to allow enhanced resolution over extended runs
- Gel dimensions (W x L): 26 cm x 16 cm, 26 cm x 24 cm, 26 cm x 32 cm
- Buffer volume : 1400 ml
- Maximum sample capacity : 672
- Unit dimensions (W x D x H) : 50 cm x 28 cm x 9 cm

Specification:

Make	: Imported
Pl. no.	: ISE6
Principal material	: Acrylic
Tank dimension	: 50 cm x 28 cm x 9 cm
No. of trays	: 26 cm x 16 cm : 26 cm x 24 cm : 26 cm x 32 cm
No. of combs	: 28 well x 6 nos. (1 mm thick)
Buffer volume	: 1400 ml
No. of gel casting tray	: 1 universal
Connecting cord	: 1 each (red and black)
Electrodes	: 1 each (red and black)
Lid	: 1 no.



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120054GB	ISE6	Maxi Plus Horizontal System : 26 x 16 : 25 x 24 : 26 x 32 cm (6 combs x 28 samples)	168630

Immuno electrophoresis Systems

Mini Immuno Electrophoresis systems

Specification:

Make	: Genei
Model	: Mini Immuno Electrophoresis Systems.
Pl. No	: 02-01
Cat No.	: 106402GB
Principal Material	: Acrylic
Inner tank dimension	: 95 x 195 x 85 mm
Glass plate size	: 50 x 50 mm - 6 Nos, 75 x 50 mm - 6 Nos.
Acrylic template with Well former	: 1 No
Gel puncher	: 4 mm OD - 1 No.
Connecting Cord	: 1 set (1 black and 1 red)
Comb	: 1 Well with Supporting Stand
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Gel scoop	: 1 No.

Recommended Power Supplies:

106855GB, 106857GB, 106859GB.



Midi Immuno Electrophoresis systems

Make	: Genei
Model	: Midi Immuno Electrophoresis Systems.
Pl. No.	: 02-02
Cat No.	: 106413GB
Principal Material	: Acrylic
Inner tank dimension	: 195 x 175 x 85 mm
Glass plate size	: 50 x 50 mm - 6 Nos, 75 x 50 mm - 6 Nos.
Acrylic template with Well former	: 1 No
Gel puncher	: 4 mm OD -1 No, CIE Template -1set, Acrylic template with Wellformer U Spacers - 1 No
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Gel scoop	: 1 No.

Recommended Power Supplies:

106855GB, 106857GB, 106859GB, 117802GB.



Immuno Submarine Multipurpose System

Specification:

Make	: Genei
Model	: Immuno Submarine Multipurpose
Pl. No.	: 02-03
Cat No.	: 106419GB
Principal Material	: Acrylic
Inner tank dimension	: 285 x 230 x 25 mm
Glass plate size	: 100 x 80 mm - 6 Nos, 200 x 90 mm - 1 Set, 100 x 150 mm - 1Set, 130 x 260 mm - 1 Set.
Acrylic template with Well former	: Variable radius template, 5 Well template, 8 Well Template, multiple template with holder and Spacers Graber Williams template with holder. Template for electrofocusing 130 x 260 mm (1 Set).
Gel puncher	: 3.4.5 mm OD 1 each, CIE Template 1 set, Acrylic template with Well former U shape 1 No.
Comb	: 8 Well Analytical Acrylic Comb 1.5 mm thick x 2 Nos, 13 Well Acrylic Analytical Comb 1.5 mm thick x 1 No.

Comb stand	: 1 No.
Gel Running tray	: 130 x 130 mm - 1 No, 130 x 60 mm - 2 Nos.
Levelling table	: 1 No.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Gel cutter	: 1 No.
Gel remover	: 1 No.

Recommended Power Supplies:

106857GB



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Immuno electrophoresis Systems				
106402GB	02-01	Mini Immuno-electrophoresis System	1 Unit	7530

Paper Electrophoresis System

Basic unit consists of anode and cathode buffer reservoirs capable of accommodating suitable electrode assembly. In case of Vertical model, paper supporting vertical stands with cross rods are provided in between reservoirs, whereas, a removable horizontal supporting stand has been provided in horizontal model. In both the cases transparent acrylic cover are provided for controlling buffer evaporation and for electrical safety.

Vertical Mini

Specification:

Make	: Genei
Pl. No.	: 01-01
Cat No.	: 116723GB
Principal Material	: Acrylic
Inner tank dimension	: 145 x 145 x 60 mm
Paper supporting rod	: 3 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.

Recommended Power Supplies:

106857GB, 106859GB, 117802GB



Vertical Large

Make	: Genei
Pl. No.	: 01-02
Cat No.	: 116721GB
Principal Material	: Acrylic
Inner tank dimension	: 300 x 150 x 60 mm
Paper supporting rod	: 3 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.

Recommended Power Supplies:

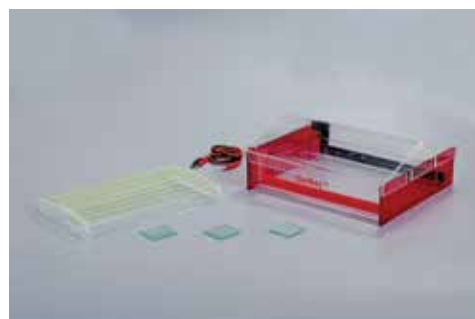
106857GB, 106859GB, 117802GB

Horizontal Large for 6 Strips

Make	: Genei
Pl. No.	: 01-03
Cat No.	: 116720GB
Principal Material	: Acrylic
Inner tank dimension	: 310 x 200 x 60 mm
Paper supporting frame	: 1 No.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.

Recommended Power Supplies:

106857GB, 106859GB, 117802GB



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
116721GB	01-02	Paper Electrophoresis System (Vertical Large for 6 strips)	1 Unit.	17520
116720GB	01-03	Paper Electrophoresis System (Horizontal Model for 6 strips)	1 Unit.	21810

Vertical Slab Gel Electrophoresis Systems

Genei offers a complete range of vertical slab gel electrophoresis systems, suitable for a wide variety of modern electrophoretic techniques. The MINI model answers the demand for small, conventional electrophoresis unit for fast, high resolution protein separations in 8 x 7 cm gel. The REGULAR model is used for electrophoresis in 16 x 14 cm gel. The DUAL models are versatile ones for running two gels, under similar conditions simultaneously. Gels can be cast in three different thickness with the GEL CASTING UNIT, available for both MINI or REGULAR and DUAL models.

Selection Guide – Vertical Electrophoresis System

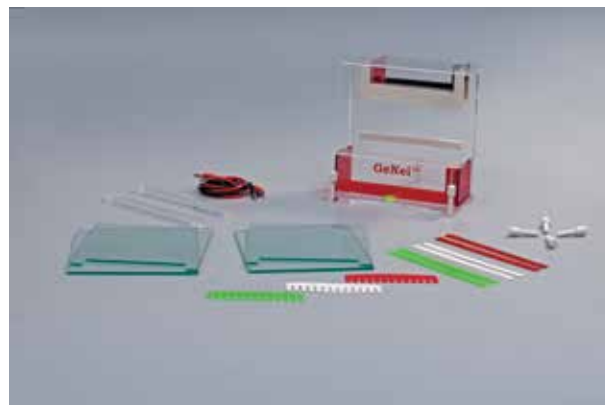
Specification	Vertical Mini Gel System	Vertical Dual Mini Gel System	Vertical Midi Gel System	Vertical Dual Midi Gel System	Vertical Maxi Gel System	Vertical Dual Maxi Gel System	Vertical Extra Large Gel System
Dimensions (l x b x h) cm	15x18x15	16x20x15	25x20x27	23x18x27.5	29x20x21	29x22x23	
Gel Size (cm)	8x7 (1 gel)	8x7 (2 gels)	16x14 (1 gel)	16x14 (2 gels)	16x20 (1 gel)	16x20 (2 gels)	41x20 (1 gel)
No. of samples	7	14	13	26	20	40	80
Buffer Required (ml)	100 + 150	150 + 200	150 + 200	250 + 500	300 + 600	300 + 700	600 + 200
Water Circulation	No	Yes	No	Yes	No	Yes	No
Pl. No.	05-01	05-02	05-03	05-04	05-05	05-06	05-07
Cat No.	106680GB	106724GB	106725GB	106782GB	106783GB	106784GB	107946GB

Vertical Mini Gel System

The MINI model answers the demand for small, conventional electrophoresis unit for fast, high resolution protein separations in 8 x 7 cm gel.

Specification:

Make	: Genei
Model	: Mini Gel System
Pl. No.	: 05-01
Cat No.	: 106680GB
Gel Size	: 8 x 7 cm,
Principal Material	: Acrylic
Upper Buffer Tank Dimension	: 70 x 60 x 40 mm
Lower Buffer Tank Dimension	: 130 x 60 x 50 mm
No. of Combs	: 7 Well Teflon Comb 0.5 mm-1 No. 7 Well Teflon Comb 1 mm-1 No. 7 Well Teflon Comb 1.5 mm-1 No.
Teflon Spacers	: 0.5 mm Teflon Spacers 2 Nos. 1 mm Teflon Spacers 2 Nos. 1.5 mm Teflon Spacers 2 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Leveling screws	: 3 Nos.
Glass plate	: Notched and Rectangular 2 sets.
Gasket	: Fixed
Clamp and screws	: 1 set.
Gel casting unit	: Optional.



Recommended Power Supplies:

106854GB, 106855GB, 106856GB, 106857GB, 106859GB, 117802GB.

Vertical Dual Mini

Specification:

Make	: Genei
Model	: Dual Mini Gel System
Pl. No.	: 05-02
Cat No.	: 106724GB
Gel Size	: 8 x 7 cms x 2
Principal Material	: Acrylic
Upper buffer tank dimension	: 70 x 70 x 43 mm
Lower buffer tank dimension	: 150 x 130 x 115 mm
No. of combs	: 7 Well Teflon Comb 0.5 mm-2 Nos. 7 Well Teflon Comb 1 mm-2 Nos.
Teflon Spacers	: 0.5 mm Teflon Spacers 4 Nos. 1 mm Teflon Spacers 2 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Glass plate	: Notched and Rectangular 2 sets.
Gasket	: Fixed
Clamp and screws	: 2 sets.
Water circulation	: Yes
Gel casting unit	: Optional.



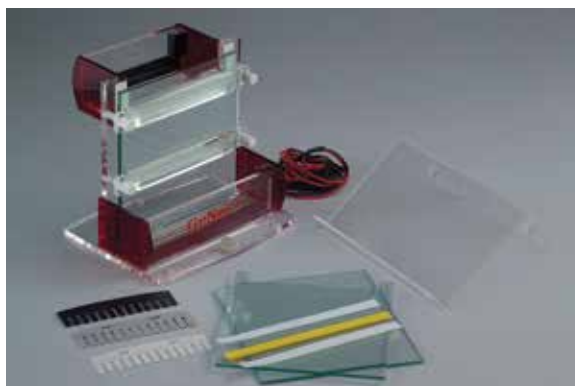
Recommended Power Supplies:

106854GB, 106855GB, 106856GB, 106857GB, 106859GB, 117802GB

Vertical Midi Gel System

Specification:

Make	: Genei
Model	: Midi gel system
Pl. No	: 05-03
Cat No.	: 106725GB
Gel Size	: 16 X14 cms.
Principal Material	: Acrylic
Upper buffer tank dimension	: 140 x 60 x 25 mm
Lower buffer tank dimension	: 200 x 60 x 60 mm
No. of combs	: 13 Well Teflon Comb-0.5 mm 1 No. 13 Well Teflon Comb -1 mm 1 No. 13 Well Teflon Comb - 1.5 mm 1 No.
Teflon Spacers	: 0.5 mm Teflon Spacers 2 Nos. 1 mm Teflon Spacers 2 Nos. 1.5 mm Teflon Spacers 2 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes	: red and black (1 each).
Lid	: 1 No.
Leveling screws	: 3 Nos.
Glass plate	: Notched and Rectangular 2 sets.
Gasket	: Fixed
Clamp and screws	: 1 set.
Gel casting unit	: Optional.



Recommended Power Supplies:

106855GB, 106857GB, 106859GB, 117802GB.

Vertical Dual Midi Gel System

Specification:

Make	: Genei
Model	: Dual Midi Gel System
Pl. No.	: 05-04
Cat No.	: 106782GB
Gel Size	: 16 x 14 cms. x 2 gels
Principal Material	: Acrylic
Upper Buffer Tank Dimension	: 140 x 70 x 20 mm
Lower Buffer Tank Dimension	: 200 x 160 x 190 mm
No. of Combs	: 13 Well Teflon Comb 0.5 mm-2 Nos. 13 Well Teflon Comb 1 mm 2 Nos.
Teflon Spacers	: 0.5 mm Teflon Spacers 4 Nos. 1 mm Teflon Spacers 4 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum Electrodes	: red and black (1 each).
Lid	: 1 No.
Glass plate	: Notched and Rectangular 2 sets.
Gasket	: Fixed
Clamp and screws	: 4 sets.
Gel casting unit	: Optional.

Recommended Power Supplies:

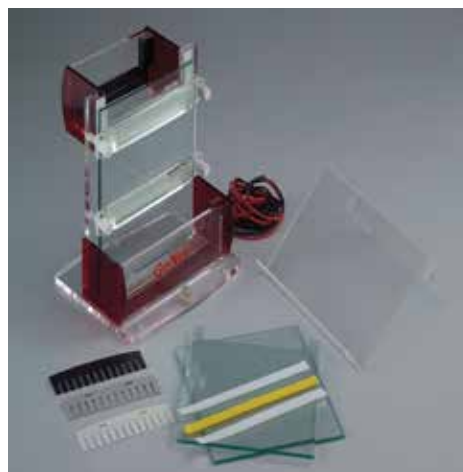
106855GB, 106857GB, 106859GB, 117802GB



Lid	: 1 No.
Leveling Screws	: 3 Nos.
Glass Plate	: Notched and Rectangular 2 sets.
Gasket	: Fixed
Clamp and Screws	: 2 sets.
Gel Casting Unit	: Optional.

Recommended Power Supplies:

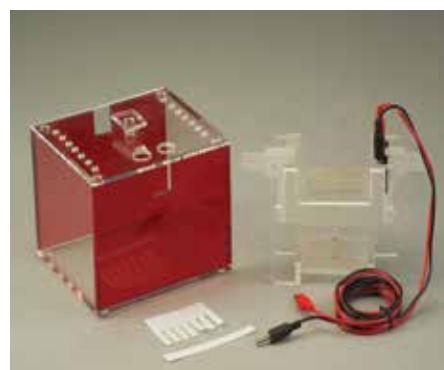
106855GB, 106857GB, 106859GB, 117802GB.



Vertical Dual Maxi Gel System

Specification:

Make	: Genei
Model	: Dual Maxi Gel System
Pl. No.	: 05-06
Cat No.	: 106784GB
Gel Size	: 16 x 20 cms x 2 gels
Principal Material	: Acrylic
Upper Buffer Tank Dimension	: 200 x 75 x 20 mm
Lower Buffer Tank Dimension	: 270 x 100 x 115 mm
No. of Combs	: 20 Well Teflon Comb 1 mm-2 Nos.



Vertical Maxi Gel Systems

Specification:

Make	: Genei
Model	: Maxi Gel System
Pl. No.	: 05-05
Cat No.	: 106783GB
Gel Size	: 16 X 20cms.
Principal Material	: Acrylic
Upper Buffer Tank Dimension	: 200 x 60 x 25 mm
Lower Buffer Tank Dimension	: 270 x 60 x 60 mm
No. of Combs	: 20 Well Teflon Comb 1 mm-2 Nos.
Teflon Spacers	: 1 mm Teflon Spacers 6 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum Electrodes	: red and black (1 each).

Teflon Spacers	: 1 mm Teflon Spacers 6 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum Electrodes	: red and black (1 each).
Lid	: 1 No.
Water Circulation	: yes.
Glass Plate	: Notched and Rectangular 2 sets.
Gasket	: Fixed
Clamp and Screws	: 4 sets.
Gel Casting Unit	: Optional.

Recommended Power Supplies:

106855GB, 106857GB, 106859GB, 117802GB.

Vertical Extra Large System

Specification:

Make	: Genei
Model	: Vertical Extra Large System.
Pl. No.	: 05-07
Cat No.	: 107946GB
Gel Size	: 40X20cm.
Principal Material	: Acrylic
Upper Buffer Tank Dimension	: 400 x 65 x 20 mm
Lower Buffer Tank Dimension	: 470 x 65 x 60 mm
No. of Combs	: 80 Well Teflon Comb Shark tooth 1 No. 80 Well Teflon Comb Rectangular 1 No.

Teflon Spacers	: 0.5 mm Teflon Spacers 6 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum Electrodes	: red and black (1 each).
Leveling Screws	: 3 Nos.
Lid	: 1 No.
Glass Plate	: Notched and Rectangular 2 sets.
Gasket	: Fixed.
Metal Clips	: 6 Nos.
Gel Casting Unit	: Optional.

Recommended Power Supplies:

106857GB, 106870GB, 116738GB.



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Vertical Slab Gel Electrophoresis Systems				
106680GB	05-01	Vertical Mini Gel System: Mini model gel size (8 x 7) cm, (HxW) for 7 samples	1 Unit	10470
Vertical Dual Mini Gel System				
106724GB	05-02	Vertical Dual Mini Gel System: Mini dual model gel size 2 (8 x 7) cm, (HxW) for 14 samples Accessories for Mini Gel/Mini Dual Gel Systems (8 x 7) cm gel	1 Unit	14610
Vertical Midi Gel System				
106725GB	05-03	Vertical Midi Gel System: Regular model gel size (16 x 14) cm, (HxW) for 13 samples	1 Unit	16010
Vertical Dual Midi Gel System				
106782GB	05-04	Vertical Dual Midi Gel System: Regular dual model gel size 2 (16 x 14) cm, (HxW) for 26 samples	1 Unit	21030
Vertical Maxi Gel System				
106783GB	05-05	Vertical Maxi Gel System: Large model gel size (16 x 20) cm, (HxW) for 20 samples	1 Unit	25440
Vertical Dual Maxi Gel System				
106784GB	05-06	Vertical Dual Maxi Gel System: Large dual model gel size 2 (16 x 20) cm, (HxW) for 40 samples	1 Unit	1750
Vertical Extra Large System				
107946GB	05-07	Vertical Extra Large System: (80 Samples)	1 Unit	64900

Vertical Electrophoresis Mini System

Features

- The preferred unit for routine mini protein electrophoresis, the mini vertical unit is constructed using the latest injection moulding manufacturing techniques. This gives a high quality, low cost product with unsurpassed finish, durability and strength
- The unit incorporates a sealing system which is compatible with all major types of 8 cm x 10 cm and 10 cm x 10 cm precast gel. It runs up to four 1 mm thick gels
- Gel casting and running utilise the same insert, no transfer of glass plates during gel casting is necessary
- The insert contains the option of sliding clamps or just one screw per clamping bar side allowing very rapid set up of both hand cast and precast gels
- Ultra soft silicone seals and pressure bars, which surround the glass plates, guarantee leak proof gel casting
- 2 mm thick glass plates prevent breakage and have bonded spacers for convenience. Reversible gasket for use with Bio-Rad 'non-eared' or short glass plates
- Accessory electroblotting and tube gel modules are available which use the same outer tank and lid
- Plate dimensions (W x L) : 10 cm x 10 cm
- Gel dimensions (W x L) : 7.5 cm x 8 cm
- Buffer volume : 250 to 1200 ml
- Maximum sample capacity : 80 (20 per gel)
- Unit dimensions (W x D x H) : 19 cm x 13 cm x 15 cm
- Versatile system, compatible for Pre - cast gel runs
- Combs with flexible tooth options - Analytical & Shark tooth

Specification:

Make	: Imported
Pl. no.	: IVE2
Gel size	: 7.5 cm x 8 cm
Principal material	: Acrylic
No. of combs	: 12 well, 1 mm thick x 2 nos.
Teflon spacers	: 1 mm thick bonded with the glass plate
Connecting cord	: 1 each (red and black)
No. of Platinum electrodes	: 1 each (red and black)
Lid	: 1 no.
Glass plate	: Notched and rectangular 2 sets
Gasket	: Fixed
Cooling unit	: Yes



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120056GB	IVE2	Vertical Electrophoresis Mini system : 10 x 10 cm (2 combs x 12 samples)	106370

Mini Wide Vertical System

Features

- The mini-wide vertical unit with a gel width of 20 cm effectively allows double the number of samples to be resolved as the mini unit. This allows consistency of sample comparison on a single gel and is designed for those with greater than 20 samples to compare and resolve
- Simple set up using ultra soft silicone seals guarantees trouble free glass plate loading and gel casting
- Dual gaskets on the gel running insert along with notched and plain glass plates ensure leak proof gel running
- Rapid set up cooling retains resolution in extended separations and also saves on buffer volume without affecting run quality
- Ultra soft silicone seals and pressure bars which surround the glass plates guarantee leak proof gel casting
- 4 mm thick glass plates prevent breakage and have bonded spacers for convenience
- A wide range of accessories is available allowing many techniques, such as capillary gel IEF and electroblotting, to be performed using the same unit
- Plate dimensions (W x L) : 20 cm x 10 cm
- Gel dimensions (W x L) : 18 cm x 8 cm
- Buffer volume : 600 to 2800 ml
- Maximum sample capacity : 192 (48 per gel)
- Unit dimensions (W x D x H) : 26 cm x 16 cm x 16 cm
- Versatile system, compatible for Pre - cast gel runs
- Combs with flexible tooth options - Analytical & Shark tooth

Specification:

Make	: Imported
Pl. no.	: IVE3
Gel size	: 18 cm x 8 cm
Principal material	: Acrylic
No. of combs	: 24 well, 1 mm thick x 2 nos.
Teflon spacers	: 1 mm thick bonded with the glass plate
Connecting cord	: 1 each (red and black)
No. of Platinum electrodes	: 1 each (red and black)
Lid	: 1 no.
Glass plate	: Notched and rectangular 2 sets
Gasket	: Fixed



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120057GB	IVE3	Mini Wide Vertical system : 20 x 10 cm (2 combs x 24 samples)	143000

Vertical Electrophoresis Maxi System

Features

- The preferred unit for maxi protein electrophoresis, the maxi vertical unit combines convenient ease of use features with high resolution separations
- Simple set up using ultra soft silicone seals guarantees trouble free glass plate loading and gel casting
- Dual gaskets on the gel running insert along with notched and plain glass plates ensure leak proof gel running
- Rapid set up cooling retains resolution in extended separations and also saves on buffer volume without affecting run quality
- 4 mm thick glass plates reduce breakage and have bonded spacers for added convenience
- A wide range of accessories is available allowing many techniques to be performed using the same unit
- Preparative combs can be used to maximize sample loading and recovery
- Accessory electroblotting and tube gel modules are available which use the Plate dimensions (W x L) : 20 cm x 20 cm
- Gel dimensions (W x L) : 16 cm x 17.5 cm
- Buffer volume : 1200 to 5600 ml
- Maximum sample capacity : 192 (48 per gel)
- Unit dimensions (W x D x H) : 26 cm x 16 cm x 28 cm
- Versatile system, compatible for Pre - cast gel runs
- Combs with flexible tooth options - Analytical & Shark tooth

Specification:

Make	: Imported
Pl. no.	: IVE4
Gel size	: 16 cm x 17.5 cm
Principal material	: Acrylic
No. of combs	: 24 well, 1 mm thick x 2 nos.
Teflon spacers	: 1 mm thick bonded with the glass plate
Connecting cord	: 1 each (red and black)
No. of Platinum electrodes	: 1 each (red and black)
Lid	: 1 no.
Glass plate	: Notched and rectangular 2 sets
Gasket	: Fixed



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120058GB	IVE4	Vertical Electrophoresis Maxi : 20 x 20 cm (2 combs x 24 samples)	174790

3-in-1 Mini, Mini Wide & Maxi Modular System

Features

- These systems include all modules and accessories required for slab gel electrophoresis, 2-D electrophoresis and electro blotting
- The central component is the mini vertical unit, mini-wide vertical unit or maxi vertical unit. These include a rapid and intuitive casting system, enhanced and easy to set up cooling system and have increased capacity (can run up to four gels per run)
- All replacement parts and accessories of the corresponding vertical units can also be used for these systems

Recommended PAGE Gel Volume (ml)

Model No.	Gel Size (cm)	Volume (ml)
120523GB	10 x 10 (one gel + dummy plate)	7.5
	10 x 10 (two gels)	15
120532GB	20 x 10 (one gel + dummy plate)	17.5
	20 x 10 (two gels)	35
120537GB	20 x 20 (one gel + dummy plate)	35
	20 x 20 (two gels)	70



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120523GB	IVE2M	Mini Modular system : 10 x 10 cm + capillary module + electroblotting module + 2 sets of glass plates with bonded 1 mm thick spacers + 2 combs, 1 mm thick, 12 samples + cooling pack + dummy plate + casting base + 100 capillary tubes (1 mm int. diameter) + blanking plugs + 4 compression cassettes 10 x 10 cm + 8 fibre pads	184800
120532GB	IVE3M	Mini Wide Modular system: capillary module + electroblotting module + 2 sets of glass plates with bonded 1 mm thick spacers + 2 combs, 1 mm thick, 24 samples + cooling pack + dummy plate + casting base + 100 capillary tubes (1 mm int. diameter) + blanking plugs + 3 compression cassettes 20 x 10 cm + 6 fibre pads	215600
120537GB	IVE4M	Maxi Modular system: capillary module + electroblotting module + 2 sets of glass plates with bonded 1 mm thick spacers + 2 combs, 1 mm thick, 24 samples + cooling pack + dummy plate + casting base + 100 capillary tubes (1 mm int. diameter) + blanking plugs + 3 compression cassettes 20 x 20 cm + 6 fibre pads	266750

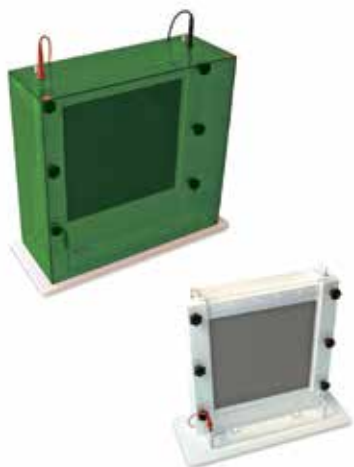
Manual DNA Sequencer

Features

- Ideal for a variety of large format vertical gel applications, this unit offers advanced features for enhancing gel resolution and ease of use, essential when handling gels of this size
- Resolution is enhanced by using an aluminium heat sink plate, essential for even sample migration
- Added convenience is provided by a removable lower buffer tank and upper buffer drainage tap
- Special buffer chambers allow either low buffer volumes to be used for economy or high buffer volumes to be used for extended runs
- A wide range of interchangeable comb and spacer options allows a large number of techniques to be easily accomplished
- Plate dimensions (W x L) : 33 cm x 45 cm
- Buffer volume : 800 to 2000 ml
- Maximum sample capacity : 96

Specification:

Make	: Imported
Pl. no.	: DS-2
Gel size	: 33 cm x 45 cm
Principal material	: Acrylic
No. of combs	: 48 well, 0.35 mm thick x 2 nos.
Teflon spacers	: 0.35 mm thick bonded with the glass plate
Connecting cord	: 1 each (red and black)
No. of Platinum electrodes	: 1 each (red and black)
Lid	: 1 no.



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120060GB	DS-2	Manual DNA Sequencing Unit : 33 x 45 cm (2 combs, 0.35 mm x 48 samples)	218900

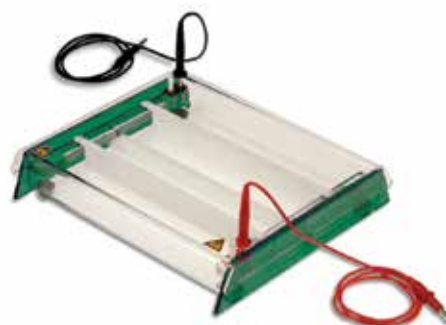
Paper Electrophoresis System

Features

- This cellulose acetate system is the ideal tank for both standard and wet cellulose acetate electrophoresis. This unit is designed for both routine and research requirements and is built to our high quality standard
- The unit includes an adjustable support which enables easy and fast adjustment for different lengths of cellulose acetate strip
- Strip dimensions up to 24 x 20 cm
- A new complete range of wet cellulose acetate gels is available. These have the advantage that they can be used for a wide variety of clinical electrophoresis applications including haemoglobin, serum proteins for monoclonal gammopathies, urine proteins, isoenzymes, lipo and glycoproteins. CellasGEL cellulose acetate gels are available in a variety of sizes and applications : 2.5 x 14 cm, 2.5 cm x 17 cm, 5.7 cm x 14 cm, 5.7 cm x 17 cm, 5 cm x 24 cm, 17 cm x 17 cm, 6 cm x 7.6 cm (Helena) , 5.7 cm x 0.2 cm (arched)
- Kits are available for multiple tests on serum proteins, haemoglobin, urine proteins and for immunofixation
- Bridges are available in a variety of formats for cellulose acetate sheets
- A universal densitometer scanner and software able to read 144 tests per minute is offered

Specification:

Make	: Imported
Pl. no.	: ISE7
Principal material	: Acrylic
Connecting cord	: 1 each (red and black)
Electrodes	: 1 each (red and black)
Lid	: 1 no.



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120053GB	ISE7	Paper Electrophoresis system : 20 x 20 cm (Cellulose Acetate paper method)	109450

Electro Transfer Units

In electrophoretic transfer (blotting) method, the gel containing the separated sample is sandwiched between immobilizing membranes. When an electric field is applied, the separated molecules are transferred from the gel to the membrane, where they are bound and readily accessible for further analysis. We offer Blot models: Mini Model (8 x 7 cm gel) & Regular Model (16 x 14 cm gel) are single cassette models for western blotting of proteins onto membrane filters. Dual models of the same are for the electrophoretic transfer of two gels simultaneously and are provided with heat exchanger which controls the temperature of the system and increases the transfer efficiency considerably.

Electro Transfer Mini System

Specification:

Make	: Genei
Model	: Electro Transfer Mini System
Pl. No.	: 08-01
Cat No.	: 106816GB
Principal Material	: Acrylic
Buffer Reservoir	: 1 No.
Buffer Volume	: 350 ml.
Gel Cassette	: 1 No.
Gel Size	: 8 x 7 cm
Filter pads	: 6 Nos.
Cushion Pads	: 12 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes cells	: red and black (1 each).
Lid	: 1 No.



Recommended Power Supplies:

106854GB, 106857GB, 106859GB, 117802GB.

Electro Transfer Mini Dual Model

Specification:

Make	: Genei
Model	: Electro Transfer Mini Dual
System	
Pl. No.	: 08-02
Cat No.	: 106819GB
Principal Material	: Acrylic
Buffer Reservoir	: 1 No.
Buffer Volume	: 600 ml.
Gel Cassette	: 2 Nos.
Gel Size	: 8X7cm
Filter Pads	: 1pkt.
Cushion Pads	: 1pkt.
Heat Exchanger	: 1 No.
Connecting Cord	: red and black (1 each).
No. of Platinum electrodes Cells	: red and black (1 each).
Lid	: 1 No.



Recommended Power Supplies:

106857GB, 106858GB, 106859GB, 117802GB

Electro Transfer Midi System

Specification:

Make	: Genei
Model	: Electro Transfer Midi System
Pl. No	: 08-03
Cat No.	: 106850GB
Principal Material	: Acrylic
Buffer Reservoir	: 1 No.
Buffer Volume	: 1000 ml.
Gel Cassette	: 1 No
Gel Size	: 16 x 14 cm
Filter Pads	: 6 Nos.
Cushion Pads	: 12 Nos.
Connecting Cord	: red and black (1 each).
No. of Platinum Electrodes Cells	: red and black (1 each).
Lid	: 1 No.



Recommended Power Supplies:

106857GB, 106858GB, 106859GB, 106858GB.

Electro Transfer Midi Dual System

Specification:

Make	: Genei
Model	: Electro Transfer Midi Dual System
Pl. No	: 08-04
Cat No.	: 106853GB
Principal Material	: Acrylic
Buffer Reservoir	: 1 No.
Buffer Volume	: 1500 ml.
Gel Cassette	: 2 Nos.
Gel Size	: 16 X 14 cm
Filter pads	: 6 Nos.
Cushion Pads	: 12 Nos.
Heat Exchanger	: 1 No
Connecting Cord	: red and black (1 each).
No. of Platinum Electrodes Cells	: red and black (1 each).
Lid	: 1 No.



Recommended Power Supplies:

106857GB, 106858GB, 106859GB, 106857GB.

E-Blotter

The E-Blotters are most ideal systems for complete wet transfer of Southern & Western Blots. The system gives a flexibility of using one to four blot transfers at once. Fully transparent outer running tank ensures better examination of the blot transfers for longer runs.

Features

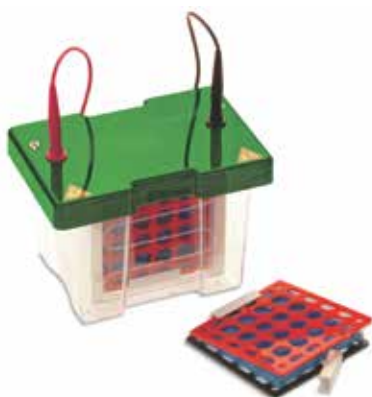
- These stand-alone, complete units for electroblotting, mini, mini-wide and maxi formats, include vertical tank and lid, electroblotting insert, cassettes and fibre pads
- Units are interchangeable with the vertical slab and tube gel inserts
- Hinged rigid cassettes allow rapid set up and convenience and ensure even contact between the gel and membrane is maintained
- Recommended power supply : Cat. no. 120545GB

Recommended Buffer Volume (ml)

Model No.	116744GB	120549GB	120550GB
One Cassette	1380	2800	5600
Two Cassettes	1290	2620	5240
Three Cassettes	1200	2440	4880
Four Cassettes	1110	2260	4520

Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
116744GB	EB1	E-Blotter Complete System - Mini	POR
120549GB	EB2	E-Blotter Complete System - Mini Wide	POR
120550GB	EB3	E-Blotter Complete System - Maxi	POR



Semi Dry Blotters, Mini (10x10 cm), Midi (20 x 20 cm)

Features

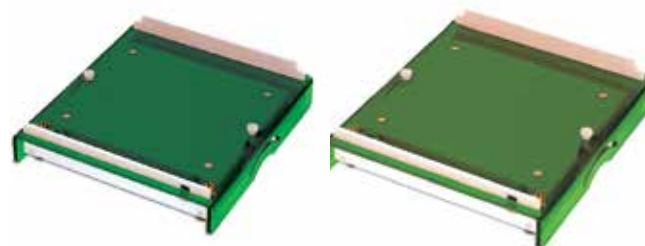
- These semi-dry blotters offer rapid transfer times for DNA, RNA and protein blotting (typically 15 to 30 minutes). All units can be used for all types of blotting and are compatible with gel thicknesses from 0.25 up to 10 mm without the need for additional equipment. Each unit is compatible with their respective vertical gel system
- Semi-dry blotting has the added benefit of economic transfers due to very low buffer volumes
- These semi-dry blotters utilise a screw down lid, which secures the blot sandwich and allows complete control of pressure ensuring even transfer
- The electrodes, comprising Platinum coated anode and stainless steel cathode, will exhibit practically no corrosion and so provide many years of trouble free use
- Uniform heat dispersion across the blot sandwich ensures stable transfer times and no heat induced sample loss or transfer distortions
- Being translucent, you can see the blot sandwich to ensure correct positioning and transfer is occurring correctly

Specification (Mini):

- Model : Semi-dry blotter
- Size : Mini, 10 cm x 10 cm
- Buffer volume : 5 ml, 1 blot
- Maximum blot area : 10 cm x 10 cm
- Total dimension : 16 cm x 16 cm x 7 cm

Specification (Midi):

- Model : Semi-dry blotter
- Size : Midi, 20 cm x 20 cm
- Buffer volume : 20 ml, 1 blot
- Maximum blot area : 20 cm x 20 cm or 4 blots, 10 cm x 10 cm
- Total dimension : 26 cm x 26 cm x 7 cm



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120059GB	SDB1	Semi Dry Blotter, Mini : 10 x 10 cm	91850
120546GB	SDB2	Semi Dry Blotter, Midi : 20 x 20 cm	189200

Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Electrotransfer Systems				
106816GB	08-01	Electrotransfer Mini System gel size (8 cm x 7 cm)	1 Unit	21030
106819GB	08-02	Electrotransfer Mini Dual System Gel size 2 (8 cm x 7 cm)	1 Unit	25640
106850GB	08-03	Electrotransfer Midi System Gel size (16 cm x 14 cm)	1 Unit	29080
106853GB	08-04	Electrotransfer dual Midi System Gel size 2 (16 cm x 14 cm)	1 Unit	35440

Specification	Electrotransfer Mini	Electrotransfer Mini Dual	Electrotransfer Midi	Electrotransfer Midi Dual
Make	Genei	Genei	Genei	Genei
Pl. No.	08-01	08-02	08-03	08-04
Cat No.	106816	106819	106850	106853
Gel Dimension	8 x 7 cm	8 x 7 cm x 2 Nos	16 x 14 cms	16 x 14 cms x 2 Nos
Buffer Volume	350 ml	600 ml	1000 ml	1500 ml
Buffer Reservoir	1	1	1	1
Gel Cassette	1	2	1	2
Water Circulation	No	Yes	No	Yes
Filter Pads	6	6	6	6
Cushion Pads	12	12	12	12

DNA Sequencer

The Seque vertical sequencing apparatus is ideal for analytical Polyacrylamide Gel Electrophoresis of oligonucleotides. The system offers many advantages:

- Heat proof glass plates.
- Anodized aluminium heatsink that provides uniform temperature control.
- Imported combs and Spacers.
- Safety at high voltage.
- Removable buffer tanks.

Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
DNA Sequencer (with imported comb & Spacers)				
106999GB	DS1	Seque DNA Sequencer Gel Size (21.5 x 45 cm) (WxH) for 27 & 36 samples	1 Unit	54520

Technical Information:

Specification	Model I
Gel Size (cm)	45 x 21.5 cm
Buffer Required (ml)	750
Power required	2000 V;100mA
No. of combs	36 Well Teflon Comb Shark Tooth 1 No. 27 Well Teflon Comb Shark Tooth 1 No.
Teflon Spacers	0.35 mm Teflon Spacers 2 Nos.
Cat #	106999
Pl #	DS1

Recommended Power Supplies:

106870GB, 116738GB.



Gel Dryer

The Gel slab dryers are convenient and reliable units for preserving fragile electrophoresis gels for storage. Gel Dryers have been designed to accommodate all various gel sizes made on Hoefer Biorad and Pharmacia electrophoresis instruments. Genei provides versatile models to suit various gel sizes. Gels (1.5 mm) take only 30 mins to dry and the unit shuts off automatically after lapse of set time. Both models have unique audio and visual alarm to indicate end of run. Clear silicon

sheet permits easy viewing while gels dry on powerful heaters (400 W in Junior Model and 800 W in Senior Model). The temperature (upto 120° C) and time (upto 4hrs) can be electronically controlled by knobs provided. The gel dryer will work most efficiently if connected to a vacuum pump delivering more than 22 PSI (560 mm Hg). The Senior gel dryer is provided with a Vacuum gauge and tubing connectors.

Make	: Genei
Pl. No.	: GD-1 and GD-1
Cat No.	: 107104GB
Temperature Range	: 5 Deg. C. Above ambient to 120°C. (Ambient at 25°C).
Temperature controller	: Digital.
Temperature Sensitivity	: +/- 1°C.
Temperature sensor	: PID
Timer	: Digital
Timer Range	: 1-999mins.
Body	: FRP
Platform Dimension	: 25cm x 35cm Junior
Instrument Dimension	: *** cm.
Weight	: ****kg.
Input Voltage	: 230V, 50 Hz, 15 amps(max). A.C. Supply



Rotary Vane Vacuum Pump

This vacuum pump is perfect for electrophoresis gel drying, requiring a continuous vacuum up to 150 liter/min. The pump works well with the junior or senior Gel Dryer. The glass moisture trap can be used in crushed ice to increase the efficiency of the Gel Dryer.

Specifications:

Free Air Displacement	
Capacity	: 100 Lit/Min.
Ultimate Vacuum at the intake with Meclod Gauge	: 1 X 10 ⁻³ mb
Vacuum with gas ballast	: 5 X 10 ⁻³ mb
Vacuum connection	: KF-25
Exhaust port	: KF-25
Motor Power	: 1/2HP Single Phase
Cooling	: Forced Air Cooling
Pump Rotation Speed	: 1440RPM
No. of Stages	: 2
Oil Capacity	: 500 ml
Seal Material	: Viton
Noise Level	: 60Db
Overall Dimension	: 500 mm X 132 mm X 240 mm
Weight	: 20 Kg.

Optional Accessory

Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Gel Dryer				
107104GB	GD-1	Gel Dryer Junior (25 cm x 35 cm)	1 Unit	41210
Rotary Vane Vacuum Pump				
107210GB	VP-1	Vacuum Pump (150 Ltr/min)	1 No.	67500



Pipettes

Geni deals with different type of pipettes like normal pipettes for regular use, Autoclavable pipettes, Imported pipettes, Multi channel pipettes etc.

Fully Autoclavable Imported Pipettes

Technical Specification:

Make	: Imported
Model	: BNP
Pl. No.	: BNP10, BNP20, BNP100, BNP200, BNP1000
Cat No.	: 106912GB, 106915GB, 106913GB, 106930GB, 106914GB



Non Autoclavable Pipettes

Technical Specification:

Pl. No.	: BGCS10, BGCS100, BGCS200, BGCS1000
Cat No.	: 106903GB, 106904GB, 106906GB, 106905GB



Autoclavable Pipettes

Technical Specification:

Pl. No.	: BGMP1, BGMP2, BGMP3, BGMP4, BGMP5
Cat No.	: 116737GB, 116735GB, 116734GB, 116733GB, 116732GB

Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Digital Variable Volume Pipette (Autoclavable)				
106912GB	BNP-10	Micropipette 0.5-10 µl (increment 0.1 µl)	1 No.	16480
106915GB	BNP-20	Micropipette 2-20 µl (increment 0.1 µl)	1 No.	16480
106913GB	BNP-100	Micropipette 10-100 µl (increment 0.1 µl)	1 No.	16480
106930GB	BNP-200	Micropipette 20-200 µl (increment 1.0 µl)	1 No.	16480
106914GB	BNP-1000	Micropipette 100-1000 µl (increment 5.0 µl)	1 No.	16480
116737GB	BGMP1	Micropipette, 0.2 - 2 µl (increment 0.1 µl)	1 No.	7920
116735GB	BGMP2	Micropipette, 0.5 - 10 µl (increment 0.1 µl)	1 No.	7920
116734GB	BGMP3	Micropipette, 2 - 20 µl (increment 0.1 µl)	1 No.	7920
116733GB	BGMP4	Micropipette, 20 - 200 µl (increment 1 µl)	1 No.	7720
116732GB	BGMP5	Micropipette, 100 - 1000 µl (increment 10 µl)	1 No.	7720
Variable Volume Microlitre Pipette – Popular Model				
106903GB	BGCS10	Variable Micropipette 0.5 - 10 µl (increment 0.1 µl)	1 No.	5950
106904GB	BGCS100	Variable Micropipette 20-100 µl (increment 1 µl)	1 No.	5950
106906GB	BGCS200	Variable Micropipette 40-200 µl (increment 1 µl)	1 No.	6100
106905GB	BGCS1000	Variable Micropipette 200-1000 µl (increment 10 µl)	1 No.	5950

Power Supplies

Popular digital models operate in constant voltage and constant current mode with automatic cross over between modes when preset limits are reached. As a result these power supplies can handle most electrophoresis applications. Genei manufactures different type of power supplies starting from 100 volts to 3000 Volts. Customer can choose the Genei range of Power supplies according to their requirement.

Technical & Ordering Information:

Popular Digital Model						Fixed Voltage Model			
Specification	Digital PS 100	Digital PS 500	Digital PS 3000	Digital HVPS	Euro Model	PS 200	PS 100	Programmable Model	
Input AC Voltage	220 V ± 10%	220 V ± 10%	220 V ± 10%	220 V ± 10%	220 V ± 10%	220 V ± 10%	220 V ± 10%	230 V ± 10%	230 V ± 10%
Output DC Voltage	0-300 V	0-500 V	10-250 V	30-3000 V	10-300 V	100, 150 V 200, 250 V	50, 100, 150, 200, 250 V	500 V	3000 V
Max. output Current	0-100 mA	0-500 mA	3A	2-150 mA, 2-150W	4-400 mA 75W	200 mA	100 mA	500 mA	150 mA
Timer	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Display	LED Digital	LED Digital	LED Digital	LED Digital	LED Digital	--	--	LED	LED
Output	one, 4 mm socket	two, in parallel 4 mm socket	two, in parallel 4 mm socket	four, in parallel 4 mm socket	four, in parallel 4 mm socket	one, 4 mm socket	one, 4 mm socket	Two	Two
PI #	12-01	12-02	12-04	13-02	12-05	10-02	10-01	13-01	13-03
Cat #	106856GB	106857GB	106858GB	106870GB	106859GB	106855GB	106854GB	116740GB	116738GB

Selection Guide – Power Supplies

Cat #	PI #	Model	Feature*	Voltage	Current Outlets	Power
106857GB	12-02	Digital	CC/CV	500 V	500 mA	2
106858GB	12-04	Digital	CV	250 V	3000 mA	2
106856GB	12-01	Digital	CC/CV	300 V	100 mA	1
106854GB	10-01	—	—	50, 100, 150 200, 250 V	100 mA	1
106855GB	10-02	—	—	100, 150, 200, 250	200 mA	1
116738GB	13-03	Digital	CC/CV Timer	3000 V	150 mA	2
106870GB	13-02	Digital	CC/CV/CP	30-3000 V	2-150 mA	4
106859GB	12-05	Digital	CC/CV/Timer	300 V	400 mA	4

Note: *CC : Constant Current
*CV : Constant Voltage
*CP : Constant Power

Selection Guide – Electrophoresis by Application

Application	Elpho Unit	Power Supply
Vertical Gel:		
Standard PAGE/SDS	106725GB 106782GB	106857GB/116740GB
Mini PAGE/SDS	106680GB 106724GB	106857GB/106855GB/ 116740GB
Large PAGE/SDS	106783GB 106784GB	106857GB/116740GB
Submarine Gel:		
Analytical & Preparative Studies of Nucleic acids		
- Small	106470GB	106857GB / 106854GB / 117802GB/ 106859GB
- Analytical	106508GB	106857GB/106855GB/ 116740GB
- Preparative	106562GB	106857GB/116740GB
- Maxi Sub XL	106614GB	106857GB/116740GB
- Maxi Sub XXL	106627GB	106857GB/116740GB
Submarine UV T	- Miniphor	106856GB/116740GB
Electrophoresis (UV – Transparent Model)	- Maxiphor	106857GB/ 106855GB/ 116740GB
Immunoelectrophoresis		106857GB/116740GB
DNA Sequencing		106870GB/116738GB
Electrotransfer	- Standard	106850GB/106853GB
	- Mini	106816GB/106819GB
		106858GB

Analog Power supplies for low voltage and low current application.

Specification:

Make	: Genei
Model	: Genei PS100
Pl. No.	: 10-01
Cat No.	: 106854GB
Output DC Voltage	: 50,100,150,200,250V
Output current	: Maximum 100 mA
Display	: LED Indicator
Output	: One, 4 mm socket
Body	: MS with powder coated body.

Size	: 165 x 95 x 80 mm
Weight	: 800 gms
Input voltage	: 230V, 50Hz, A.C. Supply



Specification:

Make	: Genei
Model	: Genei PS200
Pl. No.	: 10-02
Cat No.	: 106855GB
Output DC voltage	: 100,150,200,250 V
Output current	: 200mA
Display	: One LED indicator
Output	: One, 4 mm socket
Body	: MS with powder coated body
Size	: 165 x 100 x 50 mm
Weight	: 1.2 kgs
Input voltage	: 230V, 50Hz, A.C. Supply



Digital Model models with timer.

Popular digital models operate in constant voltage and constant current mode with automatic cross over between modes when preset limits are reached. As a result these power supplies can handle most electrophoresis applications.

Specification:

Make	: Genei
Model	: Genei Digital PS 100
Pl. No.	: 12-01
Cat No.	: 106856GB
Output DC voltage	: 300V, Variable
Output Current	: 100mA, Variable
Output	: One, 4 mm socket.
Display	: Digital
Timer	: 15 mins. to 4 Hours.
Body	: MS with powder coated body
Size	: 290 x 180 x 150 mm
Weight	: 3 kgs approx.
Input voltage	: 230V, 50Hz, A.C. Supply



Specification:

Make	: Genei
Model	: 300/300
Pl. No.	: 12-06
Cat No.	: 117802GB
Output DC Voltage	: 0-300 Volts variable
Output current	: 0-300 mA Variable
Output	: One parallel output, 4 mm socket
Display	: Digital
Body	: MS with powder coated body
Size	: 360 x 230 x 130 mm
Weight	: 2 kgs approx.
Input Voltage	: 230V, 50Hz, A.C. Supply



Specification:

Make	: Genei
Model	: Digital PS500
Pl. No.	: 12-02
Cat No.	: 106857GB
Output DC Voltage	: 0-500Volts variable
Output current	: 0-500mA Variable
Output	: Two parallel outputs, 4 mm socket
Display	: Digital
Timer	: 15mins. to 4 hours
Body	: MS with powder coated body
Size	: 360 x 285 x 160 mm
Weight	: 3 kgs approx.
Input Voltage	: 230V, 50Hz, A.C. Supply



Digital models with timer for all the applications.

Specification:

Make	: Genei
Model	: Programmable
Pl. No.	: 13-01
Cat No.	: 116740GB
Output DC voltage	: 0-500V Variable
Output Current	: 0-500mA.Variable
Output	: 4 Parallel outputs.
No. of programmes	: 5.
Timer	: Min/hours/cont.
Output watts	: 90 watts.
Display	: Digital
Body	: MS with powder coated
Size	: 260 x 230 x 130 mm
Weight	: 3 kgs approx.
Input voltage	: 230V, 50Hz, A.C. Supply



Specification:

Make	: Genei
Model	: Euro
Pl. No.	: 12-05
Cat No.	: 106859GB
Output DC voltage	: 10-300V variable
Output current	: 4-400mA Variable
Output	: 4 parallel outputs, 4 mm socket.
Display	: Digital
Timer	: 1-99 mins/ cont.
Body	: Plastic
Size	: 310 x 200 x 70 mm
Weight	: 2 kgs approx.
Input Voltage	: 230V, 50Hz, A.C. Supply



Specification:

Make	: Genei
Model	: 10-250V
Pl. No.	: 12-04
Cat No.	: 106858GB
Output DC Voltage	: 0-250V variable
Output current	: 0-3000mA Variable
Output	: 2 parallel outputs, 4 mm socket
Display	: Digital
Timer	: Analogue
Body	: MS with powder coated body
Size	: 260 x 230 x 130 mm
Weight	: 18 kgs approx.
Input Voltage	: 230V, 50Hz, A.C. Supply



Programmable High Voltage Power Supplies

High voltage power supplies are used for DNA Sequencer, Extra Large Vertical Systems. Where the application lies inbetween High Voltage and low current. Genei deals with imported and indigenous high voltage power packs. These power supplies can be programmed as per our requirement.

Specification:

Model	: Programmable Power Pack.
Pl. No.	: 13-01
Cat No.	: 116740GB
Output DC Voltage	: 500 Volts variable
Output current	: 500mA
Output	: 2 parallel outputs
No. of programs	: 5
Output watts	: 90 Watts
Timer	: 0-60 min/Hour/cont..
Display	: LED
Body	: MS With Powder coated
Size	: 110 mmx235 mmx240 mm
Weight	: 3 Kgs. Approx.
Input voltage	: 230V, 50Hz. A.C. Supply



Specification:

Model	: Digital HVPS
Pl. No.	: 13-02
Cat No.	: 106870GB
Output DC Voltage	: 3000 Volts variable
Output current	: 150mA
Output	: 2 parallel outputs
No. of programs	: 9
Output watts	: 75 Watts
Timer	: 99 mins/cont.
Display	: LCD
Body	: Plastic
Size	: 300 x 250 x 140 mm
Weight	: 4 kgs. Approx
Input voltage	: 230V, 50Hz. A.C



Specification:

Model	: Programmable High Voltage Power Pack.
Pl. No.	: 13-03
Cat No.	: 116738GB
Output DC Voltage	: 3000 Volts variable
Output current	: 150mA
Output	: 2 parallel outputs
No. of programs	: 5
Output watts	: 75Watts
Timer	: 0-60 min/Hour/cont..
Display	: LE D
Body	: MS With Powder coated
Size	: 100 x 235 x 240 mm
Weight	: 3 kgs. Approx.
Input voltage	: 230V, 50Hz. A.C. Supply



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Electrophoresis Power Supplies				
Analog Model: Fixed Voltage				
106854GB	10-01	PS 100: Mini Model 50, 100, 150, 200, 250 V Fixed , 100 mA with LED display	1 Unit	5630
106855GB	10-02	PS 200: Mini Model 100, 150, 200, 250 V Fixed , 200 mA	1 Unit	17980
117802GB	12-06	300/ 300 Power Supply	1 No.	37510
Popular Digital Model				
106856GB	12-01	Digital PS 100: EPS 300 Model; 0-300 V; 0-100 mA; Variable with timer Constant Current; Constant Voltage; Digital display	1 Unit	24040
106859GB	12-05	BGPS 300/ 400: Euro Model Digital Power supply light weight; 10-300 V; 4-400 mA Max 75 W, 4 outlets; Variable with timer; Constant Current; Constant Voltage; Digital display	1 Unit	65780
106857GB	12-02	Digital PS 500: EPS 500 Model; 0-500 V; 0-500 mA; Variable with timer Constant Current; Constant Voltage; Digital display	1 Unit	48200
106858GB	12-04	Digital PS 3000: Electrotransfer Model; 10-250 V; 3000 mA; Variable with timer Constant Voltage; Digital display	1 Unit	57760
116738GB	13-03	Programmable High Voltage Power Supply (0 - 3000 V; 0 - 150 mA)	1 No.	129020
High Voltage Power Supply- Imported Model				
106870GB	13-02	Digital HVPS: Programmable High voltage power supply (30 - 3000 V; 2 - 150 mA; 2 - 150 W)	1 Unit	202490

Programable Power Pack : 300 V, 1000 mA

Specifications :

- Voltage : 0 to 300 V
- Current : 0 to 1000 mA
- Power : 0 to 150 W
- Parameter range : 1 to 100% for full scale
- Timer : 0 to 99.99 h
- Volt-hours : 0 to 99.99 kWh
- Display : LCD, 2 x 16 characters
- Resolution : 1 V, 1 mA, 1 W
- Programs : 9 x 9 set of parameters
- Outputs : 4 in parallel, 4 mm sockets
- Minimum load resistance : 10 Ω
- No load detection : on/off, programmable
- Ground leakage detection : Yes
- Overload detection : Yes
- Computer control : Yes
- Password protection : Yes
- Data-logging : 3600 values
- RS232 interface : 9600 b/s
- Ambient temperature : 0 to 40° C

- Relative humidity : 0 to 95%, non condensing
- Power requirements : 210 to 250 V A. C., 50/60 Hz, 200 W
- Dimensions (W x D x H) : 31 cm x 26 cm x 15 cm
- Weight : 6 Kg

Ordering Information:

Cat No.	Product	Unit Price ₹
120545GB	Programable Power Pack : 300 V, 1000 mA	101200



Prime Thermal Cyclers

The Prime full size thermal cycler delivers high performance, high throughput and maximum flexibility with an ability to upgrade base model to gradient capability with a simple unlock code, as well as the availability of a wide choice of thermal blocks:

0.2ml block (96 x 0.2ml)

0.5ml block (60 x 0.5ml)

User friendly programming is achieved via a colour touchscreen and intuitive software that is standardised across the entire thermal cycler range. A USB port enables the transfer of programmes between instruments and temperature logs to your PC. A real time graphical display provides an instant visualisation of the program status.

Gradient cycling can be achieved directly using the PrimeG instrument or by upgrading the Prime unit via a USB software installation. This enables the laboratory to manage changing cycling requirements in a cost effective manner.

The Prime cycler range is one of the most affordable full sized thermal cyclers on the market

Prime Key Features

- Colour touchscreen for fast program setup
- Upgrade to gradient with a simple unlock code
- Versatile block formats
- Fast ramp rate up to 3.4°C/sec
- Data transfer via USB

PrimeG

The PrimeG is a gradient enabled thermal cycler with all the features of the Prime unit. The wide linear gradient with a range of 29°C allows annealing temperatures to be optimised in one experiment.

The gradient calculator function displays the temperature for each of the 12 columns, ensuring easy replication of thermal conditions.

Additional Features to Prime

- Gradient can be applied across a temperature range 30°C to 80°C
- Gradient calculator function

Technical Specification

Parameters	Prime	PrimeG
Sample capacity: 0.2ml	96	96
Maximum heating rate	3.4°C per second	3.4°C per second
Block temperature range	10°C to 100°C (4°C final hold)	10°C to 100°C (4°C final hold)
Block uniformity at 55°C	± 0.3°C	± 0.3°C
Temperature accuracy at 55°C	± 0.25°C	± 0.25°C
Gradient	Can be gradient enabled	Yes
Maximum Gradient	na	29°C, 25°C (Combi-Block), 19°C (384)
Minimum Gradient	na	1°C
Type	8 peltier elements	8 peltier elements
Adjustable heated lid temperature	35°C to 115°C or off	35°C to 115°C or off
Heated lid pressure	Adjustable, dependent on consumables	Adjustable, dependent on consumables
Program interface	5.7 inch touchscreen	5.7 inch touchscreen
Maximum number of programs stored	1000	1000
Data transfer	USB port	USB port
Auto re-start on power failure	Yes	Yes
Dimensions (L x W x H)	420 x 240 x 240mm	420 x 240 x 240mm
Weight	9.4kg	9.4kg
Voltage	100-230, 50-60Hz	100-230, 50-60Hz
Power	450W	450W

Ordering Information:

Cat No.	Product	Unit Price ₹
130046GB	Thermal Cycler 18 x 0.5 ml Well Block (Prime)	413490
130045GB	Thermal Cycler 24 x 0.2 ml Well Block (Prime)	413490
130044GB	Thermal Cycler 96 Well Gradient (Prime G)	777160
130047GB	Thermal Cycler 96 x 0.2 ml Well Block (Prime)	634180

PCR Workstations

Polymerase chain reaction (PCR) is a technique which is used to amplify several fold a specific region of DNA of interest. This technique can be used to identify DNA sequence specific to viruses and / or bacteria causing diseases. As PCR is capable of amplifying as little as a single molecule of DNA, precautions should be taken to guard against contamination of the reaction mixture with even trace amounts of foreign DNA that could serve as template.

The PCR Workstation is designed to protect against contamination in sensitive PCR amplification reactions in the following ways. Genei manufactures Mini and Midi PCR workstations for different applications.

Mini PCR Workstation:

Specification:

Pl. No.	: WS-1
Cat. No.	: 107211GB
Make	: Genei
Model	: Mini PCR workstation
Principal Material	: MS with powder coated body
Working table	: Stainless Steel
Inner chamber dimension	: 220 x 110 x 100 mm
No. of UV Tubes	: 1
Front door	: Acrylic
Input Voltage	: 230 V, 50Hz, A.C. Supply
Size	: 230 x 125
Weight	: 3 kgs.



Midi PCR Workstation:

Specification:

Pl. No.	: WS-2
Cat. No.	: 107214GB
Make	: Genei
Model	: Midi PCR workstation
Principal Material	: MS with powder coated body
Working Table	: Stainless Steel
Pipette stand	: 1
Inner chamber dimension	: 275 x 225 x 175 mm
No. of UV Tubes	: 2
White Light	: 1
Front door	: Acrylic
Input Voltage	: 230 V, 50Hz, A.C. Supply
Size	: 285 x 240 x 190
Weight	: 8 kgs.



Ordering Information:

Cat No.	Product	Unit Price ₹
107211GB	Mini PCR Workstation (29 x 13 cm)	12705
107214GB	Midi PCR Workstation (H x W x D:45 x 60 x 30) cm	39600

Centrifuges

Microcentrifuge which has an impact resistant housing. It has been tested in our laboratory under various conditions. You will find it an excellent companion for all small volume centrifugation in 1.5 ml tubes in cold room or at room temperature. Genei manufactures three different types of centrifuges like 6000rpm, 10000rpm and 14000rpm centrifuges with 1.5 ml fixed rotor.

Applications:

- Cell Pelleting • Quick Spins for Enzyme Reaction • Initial Spin for DNA Sequencing • Quick Spin for Primer Annealing / Hybridization
- Serum Sampling • Other Short Spin Runs.

Specification:

Make	: Genei
Pl. No.	: MC-1
Cat No.	: 10711GB
Maximum RPM	: 6000
Maximum capacity	: 6X1.5/2 ml fixed.
Maximum time usage	: 10 mins
Body	: Plastic
Input Voltage	: 230V, 50Hz, A.C. Supply
Size	: 150 x 140 mm
Weight	: 800 gms.



Specification:

Make	: Genei
Pl. No.	: MC-3
Cat No.	: 107944GB
Maximum RPM	: 10000/ adjustable from 6000 to 100000
Maximum capacity	: 6X1.5/2 ml fixed
Maximum time usage	: 20 mins/cont.
Timer	: Digital LCD
Speed Indicator	: Digital.
Body	: MS with powder coated
Input Voltage	: 230V, 50Hz, A.C. Supply
Size	: 160 x 140 x 130 mm
Weight	: 3 kgs. Approx



Specification:

Make	: Genei
Pl. No.	: MC-4
Cat No.	: 117792GB
Maximum RPM	: 14000/ adjustable from 1000 to 140000
Maximum capacity	: 12X1.5/2 ml fixed.
Maximum time usage	: 20mins
Timer	: Digital LED
Speed controller	: Analogue.
Body	: MS with powder coated
Input Voltage	: 230V, 50Hz, A.C. Supply
Size	: 240 x 220 x 215 mm
Weight	: 4 kgs. Approx.



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Centrifuge				
107110GB	MC-1	Microcentrifuge (fixed rotor speed 6000 rpm)	1 Unit	17520
107944GB	MC-3	Microcentrifuge with digital timer/ RPM	1 Unit	42190
117792GB	MC-4	14,000 rpm Centrifuge	1 Unit	62950

Transilluminator.

Wavelength 312nm with dual intensity.

8 watt 6 UV tubes

Quartz filter

Detection limit is 0.1ng of stained DNA.

White light converter for Protein estimation. Optional

Dark Room.

Rollout Transilluminator.

Versatile and elegant look.

Steel and stainless steel darkroom. Epoxy-painted for chemical resistance.

1D software

Features: Image Acquisition, Contrast adjustment, Rotate, Line annotation, Cropping, Vertical Mirror, Horizontal Mirror, Zoom (IRIS, Zoom and focusing)

Specialized tool for Quantity calculation, Density, Molecular weight, Dendrogram, RF

Regression Curve fitting, Background subtraction, Concentration Volume, Height Area.

Print, export to Excel and tiff files.

UVI Band software (Optional)

Image can be captured in one computer and can be analyzed in any corner of the lab.

Image rotation: Image can be rotated as per our requirement in degrees and radius.

Volume Analysis: To quantitative the area.

1D and 3D analysis options for closely spaced bands.

Colony counting: Very easy and accurate to count the colonies.

Help menu: Makes software easier to use.

Annotation tools: Helps the user to annotate the picture for prepublication work.

Filter wizard: Helps the user to select the right filter to delete

the noises to get good quality picture.

Flexibility array tools: Provides ability to quantitative low to high density arrays.

Image transfer: Provide complete tools to quickly visualize the faintest bands.

Automatic Band and Lane detection.

Lane based analysis: Detects the lanes automatically, Gets the result quickly and allows for overlaying quantization on top.

Band detection: Detects the band automatically, manual based band addition and deletion.

Matching: Bands can be matched by using dendrogram software.

Report data: Can be printed, exported to excel as per the user requirement.

Export: PEG or TIFF Files.

Calculate Molecular weight: Determination of Molecular weight, Height, Area of the detected bands.

Quick Guides: Online guider to use the software, so that user can use the software without any worries.

GLP/GMP Mode: Helps eliminate user to user variability in color in calculation etc.

File history: Saves a record of modifications to image.

Unique user setting: Each user can save their settings separately.

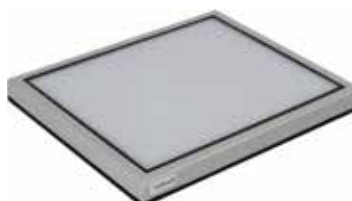
Image background subtraction: Corrects for uneven or high background values.

Ordering Information:

Cat No.	Product	Unit Price ₹
130048GB	Fire Reader V4-D-56-20M Auto	809330



White Light Converter
Optional Accessory



Transilluminators

Genei Range of Transilluminators are designed and manufactured in Europe to the highest possible specification which find wide applications for DNA analysis. All models have high output UV tubes, which have an average life expectancy of 5000 hours. The UV filters are polished to give blemish free viewing of the gel.

College Model Transilluminator with Filter

Specification

Make	: Genei
Model	: College model Transilluminator
Pl. No.	: TCM1
Cat No.	: 107171GB
Wavelength	: 312nm fixed
No. of Tubes	: 6
Wattage	: 8 Watts
Detection limit	: 50 ng
Filter area	: 20X20 cm
Body	: MS with powder coated.
UV Protection shield	: Yes.



Imported Transilluminator with Filter

Specification

Model	: Transilluminator with Filter
Pl. No.	: T20
Cat No.	: 107161GB
Wavelength	: 312nm fixed/Dual Intensity
No. of Tubes	: 6
Wattage	: 8 Watts
Detection limit	: 0.1 ngm. Of stained DNA.
Filter area	: 20x20Cms.
Filter	: Quartz UV Filter
Body	: MS with powder coated.
UV Protection shield	: Yes.



White Light Transilluminator for Protein analysis

Specification

Make	: Genei
Model	: White Light Transilluminator
Pl. No.	: TCM2
Cat No.	: 107172GB
No. of Tubes	: 6
Wattage	: 8 Watts
Filter area	: 20x20Cms.
Body	: MS with powder coated



Dual Wavelength Transilluminator

For optimum visualization of Aagrose or Polyacrylamide gels we offer what is probably the widest available range of ultraviolet transilluminators. All are high quality models with stainless steel filter frames, long life filters and highly polished 'ondulex' reflectors for ultimate efficiency.

An adjustable UV blocking cover is included to protect the user from harmful UV. This new technology reduces flicker, provides instant switch-on and allows dual wavelength to be standard future. High quality, stainless steel filter is resistant to chemicals and scratching. The epoxy painted body is resistant to chemicals too and the unit design prevents liquids from leaking into the interior.

Transfer and positioning of wet gels on the transilluminator surface is facilitated by the smooth, scratch-resistant stainless steel filter frame and the highly polished filter surface. Angle-adjustable UV blocking cover offers user hands-free protection from harmful UV rays.

Specifications

Model	: Dual Wavelength Transilluminator with 254nm and 365 nm.
PI No.	: T22
Cat. No.	: 12 0026GB
Wavelength	: 254nm and 365nm
No. of Tubes	: 6
Wattage	: 8 Watts
Detection limit	: 0.1ng of stained DNA
Filter area	: 20cmX20cm
Body	: MS with powder coated
UV protection shield	: Yes.



UV and White Light Transilluminator with 302nm

Specifications

Model	: UV and White Light Transilluminator with 302nm.
PI No.	: T21
Cat. No.	: 120025GB
Wavelength	: White light and 302nm
No. of Tubes	: UV 6 and White light 2.
Wattage	: 8 Watts
Detection limit	: 0.1ng of stained DNA
Filter area	: 20cmX20cm
Body	: MS with powder coated
UV protection shield	: Yes.



Handheld UV Lamps

It is a dual wavelength (365 and 254 nm) UV lamp, fitted with two UV tubes. The operator friendly shape permits lamps to be held easily with gloved hands. The lamp can be used for electrophoresis gel viewing.

Specification:

Make	: Imported
PI. No.	: LF206LS
Cat No.	: 107108GB
Wavelength	: 254nm and 365nm.
Filter	: yes.
Input voltage	: 230V,50Hz, A.C. Supply.



UV Safety Goggles

The eyewear are intended to protect the eyes from harmful Ultra violet radiation emitted from UV amps. The eyewear is designed for eye protection from lamps emitting wavelength of 254nm to 365nm. These ultraviolet blocking eyewear also reduce long wave ultraviolet for optimum viewing.

UV radiation is dangerous for unprotected eyes and skin, therefore it is mandatory for the user to wear UV protective face shield. Genei deals with imported UV Safety Goggles.

Specifications

Model	: UV Safety Goggles.
Pl. No.	: SF851
Cat No.	: 120024GB
Material	: UV Protective Acrylic



UV Face Shields

Face shield

The eyewear are intended to protect the eyes from harmful Ultraviolet radiation emitted from UV Lamps. The eyewear is designed for eye protection from lamps emitting wavelength of 254nm to 365nm. These ultraviolet blocking eyewear also reduce longwave ultraviolet for optimum viewing.

UV radiation is dangerous for unprotected eyes and skin, therefore its mandatory for the user to wear UV protective face shield. Genei deals with imported face shield. The dia of the shield can be adjusted.

Specification

Make	: Imported
Pl. No.	: SF850
Cat No.	: 107145GB
Material	: UV protective acrylic.
Dia	: 195 mm
Weight	: 600 gms.



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Transilluminators				
107161GB	T20	UV Transilluminator with Filter (312 nm) 20 cm x 20 cm Imported	1 Unit	106920
107177GB	UVT	Spare 8W UV Tube	1 No.	10030
120026GB	T22	Dual Wavelength Transilluminator	1 Unit	131100
120025GB	T21	UV and White Light Transilluminator with 302nm	1 Unit	155760
Transilluminator College Model				
107171GB	TCM-1	UV Transilluminator with Filter (20 cm x 20 cm) (For detection of more than 50 ng of DNA)	1 Unit	44280
107179GB	UVT-2	UV Tube 8 W for Cat # 107171	1 No.	1620
107172GB	TCM-2	White Light Transilluminator (25 cm x 25 cm)	1 Unit	24930
107108GB	LF206LS	Handheld UV Lamp 6 Watt 50 mm x150 mm (365, 254 nm) Imported	1 Unit	34070
107145GB	SF850	UV Face Shield Imported	1 Unit	12720
120024GB	SF851	UV Safety Goggles	1 Unit	7850
Epilight Converter				
117799GB	WLC	White Light Converter	1 No.	58410

Rockers, Shakers, Mixers and Stirrers

Rockers

Gel Rocker Without Timer

Gel Rocker can be used for many applications like gel staining, culture aeration, bathing, blotting membranes etc. A metal platform with non-slip rubber mat moves in a gentle 'See Saw' motion. The movement is controlled precisely with a DC motor. Cushion and rubber feet prevent unit from 'slipping'.

Specification

Make	: Genei
Model	: Gel Rocker
Pl. No.	: GR-1
Cat No.	: 107106GB
Motor	: D.C.
Maximum RPM	: 20
Speed controller	: Analogue
Platform Size	: 25 x 25 cms
Weight	: 4 kgs
Dimension	: 30 x 30 x 11.5 cms
Input Voltage	: 230V, 50Hz, A.C. Supply.



Specification

Make	: Genei
Model	: Gel Rocker
Pl. No.	: GR-2
Cat No.	: 107107GB
Motor	: D.C.
Maximum RPM	: 60
Speed controller	: Analogue
Timer	: Digital
Time range	: 1-99mins/Cont.
Platform Size	: 25 x 25 cm
Weight	: 4 kgs.
Dimension	: 25 x 25 x 17.5 cms
Input Voltage	: 230V, 50Hz, A.C. Supply



Dual Platform Rocker

Gel Rocker can be used for many applications like gel staining, culture aeration, bathing, blotting membranes etc. A metal platform with non-slip rubber mat moves in a gentle 'See Saw' motion. The movement is controlled precisely with a DC motor. Cushion and rubber feet prevent unit from 'slipping'. Time can be set from 1min to 99 mins. or continuous. In dual platform rocker 2 samples can be stained at a time.



Gel Rocker with Electronic Timer

Gel Rocker can be used for many applications like gel staining, culture aeration, bathing, blotting membranes etc. A metal platform with non-slip rubber mat moves in a gentle 'See Saw' motion. The movement is controlled precisely with a DC motor. Cushion and rubber feet prevent unit from 'slipping'. Time can be set from 1min to 99 mins. or continuous.

Specification:

Make	: Genei
Model	: Gel Rocker
Pl. No.	: GR-3
Cat No.	: 117793GB
Motor	: D.C.
Maximum RPM	: 60
Speed controller	: Analogue
Timer	: Digital
Time range	: 1-99 mins/ Cont.
Platform Size	: 25 x 25 cm x 2 Nos.
Weight	: 5 kgs.
Dimension	: 25 x 25 x 26 cm
Input Voltage	: 230V, 50Hz, A.C. Supply

Orbital Shaker

Orbital Shakers are made out of powdercoated heavy gauge MS body. Instrument is designed in such a way that it can accommodate 50 ml, 100 ml, 250 ml, 500 ml, 1000 ml Flasks with universal try. D.C. motor is used is used to get the accurate speed control and low Noise level. Universal Flask Holder

Specification:

Make	: Genei
Model	: Orbital Shaker
Pl. No.	: OS1
Cat No.	: 116731GB
Motion	: Orbital
Tray	: Universal Tray with springs
Speed	: 30-250 rpm
Speed Controller	: Digital
Platform Size	: 360 mm x 380 mm
Input Voltage	: 230 V. 50Hz. A.C. Supply



Micro Plate Shaker

Micro Plate Shakers are used to stir very low volume of many samples.

Micro Plate Shaker is made out of powder coated heavy gauge MS body. D.C. motor is used to get very accurate speed control and for very low noise level. At a time four micro plates can be used.

Technical Specification:

Make	: Genei
Model	: Microplate Shaker
Pl. No.	: OS3
Cat No.	: 116739GB
Speed	: 0-1500 rpm
Controller	: Electronic DC Control
Plate Capacity	: 4 Micro Plates
Tray Size	: 200 mm x 270 mm
Input Voltage	: 230V, 50Hz. A.C. Supply



Incubator Orbital Shaker

Incubator Orbital Shaker are convenient and reliable instrument for growing culutres.

Incubator Shakers are made out of powder-coated heavy gauge MS body.. Instrument is designed in such a way that it can accommodate 50 ml, 100 ml, 250 ml, 500 ml, 1000 ml Flasks. D.C. motor is used to get the accurate speed control and low noise level. Front door is made out of acrylic to view inside activity. Temperature is maintained at 0.5°C accuracy with the help of centrifugal blower.

Specification :

Make	: Genei
Model	: Incubator Orbital Shaker
Pl. No.	: OS2
Cat No.	: 116736GB
Motion	: Orbital
Speed	: 30-250 rpm
Speed Controller	: Digital
Platform Size	: 400 mm x 360 mm
Tray	: Universal Tray with springs
Temperature Range	: above ambient to 60° (Checked at 28°C.)
Controller	: Digital PID Controller
Accuracy	: $\pm 0.5^{\circ}\text{C}$
Circulation	: Forced air circulation for uniform Temperature
Body	: MS with powder coated.
Inner Chamber Dimension	: 430 mm x 450 mm x 550 mm
Input Voltage	: 230V, 50Hz. A.C. Supply

**Incubator Shaker Floor model**

Make	: Genei
Pl. No.	: OS4
Cat No.	: 118797GB
Speed	: 30-200rpm
Motion	: Orbital
Control	: Feedback Control System
Platform Size	: 430 x 480 mm (Universal flask holding assembly)
Temperature range	: Above ambient to 60 Deg. C.
Controller	: Digital PID Controller
Accuracy	: 0.5 Deg. C.
Flask capacity	: Universal
Air Circulation	: Blower assembly for uniform temperature
Inner chamber dimension	: 675X535X690 mm.
Body	: MS with powder coated body.
Weight	: 24Kgs. Approx.
Input voltage	: 230 Volts, 50 Hz. A.C. Supply



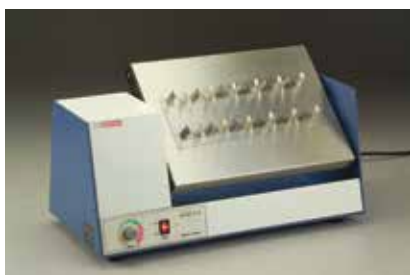
Tube Rotator

Tube rotators are used to mix the samples of different volume. Tube Rotator is made out of heavy gauge MS with powder coated body. It contains magnetic platform to hold different capacity of tube racks. RPM can be set from 10-60rpm. DC Motor is used to get accuracy in speed control and for less noise level.

Specification:

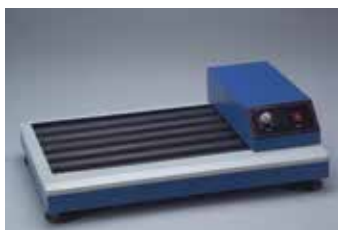
Make	: Genei
Model	: Tube Rotator
Pl. No.	: TR-1
Cat No.	: 116669GB
Speed	: 10-60rpm
Platform	: Magnetic Base
Motion	: Circular
Control	: Variable DC Control
RPM Indicator	: Analogue
Working condition	: 4 to 60°C ambient.
Platform Size	: 300 mm x 220 mm (dual Side)
Input Supply	: 230V, 50Hz. A.C. Supply

Instrument will be supplied with two trays which can hold 10 tubes of 1.5 ml and 15 ml.



Bottle Roller

Make	: Genei
Pl. No.	: BR1
Cat No.	: 118796GB
Platform Size	: 15' X 13'
Rubberised rollers	: 6
Rotating speed	: 10 to 60 rpm variable or continuous
Bottle capacity	: 1.5 litres.



Vortex Mixer

Vortex mixers are used to mix very low volume of samples for short time application. There are two modes of operations, touch mode and constant mode. Genei supplies one cup attachment and one micro tube insert along with the instrument. In tube insert attachment totally 13 tubes can be placed.

Specification:

Make	: Genei
Model	: Vortex Mixer
Old Cat. No.	: 18-01
Cat No.	: 106887GB
Speed	: 100- 3200rpm.
Operation	: Touch/Continuous
Working condition	: 4 to 60°C ambient.
Body	: MS with powder coated.
Input Voltage	: 230V, 50Hz. A.C. Supply



Magnetic Stirrers (2 – 5 Ltrs.)

Magnetic stirrers with advanced technology. The accurate speed control assuring trouble free continuous operation. The free spinning rotating magnet spins a Teflon stirring bar (not a standard accessory) to stir liquids in open and closed vessels. The solid state feed back control system maintains excellent speed stability despite viscosity or volume changes or voltage fluctuations. Genei manufactures different type of stirrers for different application like 10 Ltrs stirrers for more samples, Magnetic Stirrers with Hot plate, Digital hot plate with magnetic stirrer for temperature related applications.

Specification:

Make	: Genei
Pl. No.	: ES-1
Cat No.	: 107048GB
Stirring Speed	: 100 rpm to 1400 rpm.
Stirring Capacity	: 2 to 5 liters maximum (at Viscosity of water)
Power Supply	: 230V, 50Hz. A.C. Supply
Weight	: 2.0 Kgs. approx.
Magnet	: High power steel magnet
Control	: Feed back control system (For linear precise control)
Platform	: SS316
Cabinet	: Chemical resistant
Working condition	: 4 to 60°C
Dimension	: 150 X 160 X 10cm.



Magnetic Stirrers (10 Ltrs.)

Specification:

Make	: Genei
Pl. No.	: ES-3
Cat No.	: 107945GB
Stirring Speed	: 100 rpm to 1400 rpm.
Stirring Capacity	: 10 Ltrs. maximum (at Viscosity of water)
Power Supply	: 230V, 50Hz. A.C. Supply
Weight	: 6.0 Kgs. approx.
Magnet	: High power steel magnet
Control	: Feed back control system (For linear precise control)
Platform	: SS316
Cabinet	: Chemical resistant
Working condition	: 4 to 60°C



Magnetic Stirrer with Hot Plate (2 – 5 Ltrs.)

Magnetic Stirrer having a inbuilt hot plate, where in the temperature can be controlled from above ambient to 160°C at an accuracy of $\pm 5^\circ\text{C}$ with the help of imported thermostat. Strip heaters are used to get uniformity of the temperature. Working table is made out 1.8 mm stainless steel sheet to withstand high temperature.

Specification:

Pl. No.	: ES4
Cat No.	: 116663GB
Temperature Range	: Above Ambient to 160°C
Speed	: 100 to 1400 rpm
Heating coil	: Strip Heater
Temperature Controller	: Analogue
Construction	: Mild steel with Powder coated body.
Stirring capacity	: 2 ltrs.
Stirring speed	: 100 To 1400rpm
Control	: Feed back control
Rpm Indicator	: Analogue
Platform	: SS 316
Working Condition	: 4 to 60°C.
Input Voltage	: 230V, 50Hz. A.C. Supply
Dimension (WDH)	: 165 mm x 180 mm x 120 mm
Weight	: 4 Kgs. Approx.



Magnetic Stirrer with Digital Hot plate (2 – 5 Ltrs.)

Magnetic Stirrer having a inbuilt hot plate, where in the temperature can be controlled from above ambient to 160°C at an accuracy of $\pm 5^\circ\text{C}$ with the help of imported thermostat. Clearly visible inbuilt digital display with timer and temperature indication. Strip heaters ensure that temperature uniformity is maintained evenly across the platform. Working table is made out 1.8 mm stainless steel sheet to withstand high temperature.

Specification:

Pl. No.	: ES5
Cat No.	: 117795GB
Temperature Range	: Above Ambient to 160°C
Speed	: 100-1400rpm
Heating coil	: Strip Heater
Temperature Controller	: Digital
Temperature accuracy	: $\pm 5^\circ\text{C}$.
Construction	: Mild steel with Powder coated body.
Stirring capacity	: 2 ltrs.
Stirring speed	: 100 To 1400 rpm
Control	: Feed back control
Rpm Indicator	: Analogue
Platform	: SS 316
Working Condition	: 4 to 60°C.
Input Voltage	: 230V, 50Hz. A.C. Supply
Dimension (WDH)	: 165 mm x 180 mm x 120 mm
Weight	: 4 Kgs. Approx.



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Rockers, Shakers, Mixers & Stirrers				
107106GB	GR-1	Platform Rocker I (One Platform)	1 Unit	24040
107107GB	GR-2	Platform Rocker II (One Platform with Electronic Timer)	1 Unit	28460
117793GB	GR-3	Dual rocker	1 Unit	29980
116731GB	OS1	Orbital Shaker (for 250 ml x 16 Flasks)	1 Unit	80480
116736GB	OS2	Incubator Orbital Shaker (with Universal Tray)	1 Unit	117790
118797GB	OS4	Incubator Shaker Floor Model		156200
116739GB	OS3	Microplate Shaker (can hold 4 Microplates)	1 Unit	22070
116669GB	TR1	Tube Rotator	1 Unit	33750
118796GB	BR1	Bottle Roller		46585
116663GB	ES4	Magnetic Stirrer with Hot Plate - 2 Liters	1 Unit	21090
117795GB	ES5	Magnetic Stirrer with Digital Hot Plate	1 Unit	23600
107048GB	ES-1	Magnetic stirrer 100 - 1400 rpm max. 5 liters	1 Unit	9200
107049GB	ES-2	Magnetic Paddles (30 x 9 mm)	1 No.	450
107945GB	ES-3	Magnetic Stirrer 100 - 1400 rpm max. 10 liters	1 Unit	18560
106887GB	18-01	Vortex Mixer	1 Unit	15370

Stirring Water Bath

Features

- Built-in stirred baths with digital control provides excellent value for accurate temperature of 99 C
- The powerful magnetic stirring mechanism and heating power allows for greater water temperature uniformity and stirring mixture function for media solutions in a vessel(s) placed in the tank
- A safety device is equipped to avoid overheating
- It is equipped with one stirring mechanism
- Optional data logging software for real time data recording through a PC is also available

Specification

- Make : Imported
- Pl no. : WC2
- Number of stirring mechanisms : 1
- Stirring speed : 400~1500 rpm (measured by percentage)
- Bath capacity : 10 liters
- Display : LCD
- Heating power : 600 W
- Controller : Digital microprocessor controller
- Bath temperature : 5 C above ambient to 99 C
- Temperature increment : 0.1 C
- Temperature calibration : Yes
- Timer : Up to 99 (hr) : 59 (min), continuous

- Safety device : Warning indication on screen with alarm and automatic shut down
- Operating temperature : Ambient to 40 C
- Bath tank material : 304 stainless steel
- Bath inner dimension (WxLxH) : 240 mm x 300 mm x 150 mm
- Unit dimension (WxLxH) : 255 mm x 355 mm x 240 mm (without lid)
- Construction : Painted iron metal
- Lid material : Transparent acrylic material assembled with stainless steel construction
- Communication port : RS232
- Weight : Approx. 14 kg
- Rated Voltage : 110V or 220V

Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120061GB	WC2	Stirring Water Bath : 10 L : LCD Display (240 x 300 x 150 mm)	84700



Circulating Water Bath

Operating temperature range ambient to 100° C, stability $\pm 0.05^\circ \text{C}$

Circulating baths provide a source of precision heating and cooling for many routine and sensitive analytical procedures

Features

- Simple-to-use rotor dial and two function keys for quick temperature setting and menu navigation
- Visual alarm - alerts you when your attention is required
- User calibration facility for optimum accuracy at the required operating temperature
- Low liquid protection and over temperature cut-out
- Cooling/heating range : ambient +5 to 99° C with plastic (P) tank, or ambient to 100° C with stainless steel (S) tank

Specifications

- Stability at 70° C : ± 0.05
- Uniformity at 70° C : ± 0.1
- Setting resolution : 0.1
- Display : 4 digit LED
- Timer function : 1 to 9999 mins
- No. preset temperatures : 3
- Two point re-calibration : Yes
- Safety against over : Adjustable cut-out temperature
- Fluid level - float switch : Yes
- Heater power : 230 V : 1.3 kW
120 V : 1.4 kW
230 V : 1.4 kW (50 Hz)
120 V : 1.5 kW (50 - 60 Hz)
- Height above tank rim : 200 mm
- Depth below tank rim : 135 mm

Specifications for Thermostat Pumps (integral)

- Maximum pressure : water : 210 mbar
- Maximum flow : water : 16 litres/min
- Pipe bore : inlet/outlet : 6, 11 mm



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120510GB	WC3	Circulating Water Bath	149050

Shaking Water Bath (Orbital/Linear)

This instrument combines high precision temperature control with a robust high quality, patented shaking mechanism that works smoothly and consistently in demanding laboratory applications.

Features

- High quality, robust design with unique magnetically coupled shaking mechanism for maximum reliability, consistency and quiet operation
- Unique shaking mechanism allows orbital and linear shaking in one product - simply change the orientation of the shaking tray to change from one mode to the other
- Wide range of accessories to provide exactly the right solution for your application
- Precision digital temperature control

Specifications

- Minimum working volume : 9 litres
- Working temperature range : ambient to 99 °C (accessory cooling required for operation around/below ambient temperature)
- Stability : $\pm 0.1^\circ \text{C}$
- Uniformity : $\pm 0.1^\circ \text{C}$
- Temperature setting/display : digital/3-digit LED° C
- Temperature display resolution : 0.1° C
- Shaking speed range:
 - orbital : 20 to 200 rpm
 - linear : strokes/min : 40 to 360 (depending on load)
- Orbital shaking radius : 9 rpm
- Linear shaking : 18, 28, 36 mm
- Shaking speed setting/display : digital/3-digit LED
- Shaking speed display resolution : 1 strokes/min
- Shaking tray area : 375 x 235 mm
- Flask immersion min./max. : 0/90 mm
- Overall power consumption : 120 V/230 V : 1.15/1.5 kW
- Supply voltage : 120 or 230V
- Safety : over temperature/low liquid level : adjustable cut out



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120509GB	WC4	Shaking Water Bath (Orbital/Linear)	547250

Ultrasonic Bath

This Bath is ideal for cleaning a wide range of laboratory instruments as well as in other healthcare, medical and industrial applications. The ultrasonic activity generated in the Bath allows rapid and effective cleaning and processing of a wide range of instruments and components – a safer alternative to manual operations.

Features

- Frequency LEAP technology provides more homogeneous ultrasonic activity throughout the tank, reducing dead spots and standing waves
- Accurate process control of time, temperature, ultrasonic activity, degas and power
- Stainless steel basket – designed specifically to generate maximum ultrasonic activity, prevents items resting in the tank and prevents operators coming into contact with chemical solutions
- Ergonomic ABS plastic lid – reduces noise volume and minimises potential of aerosol escape
- Lid and basket form a drip collection unit, minimising flow of contaminated liquid once cycle is finished

Specification:

- Working capacity (litres) : 2.5
- Max capacity (litres) : 2.75
- Ultrasonic Power : 35 W
- Per litre/W : 14 W
- Operating frequency LEAP : 44 kHz
- Heated : Yes
- Maximum heating capacity : ambient + 5 to 70°C
- Heater power : 150 W
- Timer : 0 – 15 mins
- Drain outlet BSP valve : N/A
- Supply voltage : 230 V



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120511GB	TCUB	Ultrasonic Bath	143000

Magnetic Stirrer with Ceramic Top

Features :

- Powerful magnets and motor give stirring speeds up to 2000 rpm and is capable of mixing large volumes (up to 15 litres)
- The compact shape of the magnetic stirrer takes up less bench space and makes storage easier
- This Model has a glass ceramic top which has excellent chemical resistance
- The surface is also very easy to clean
- The white surface ensures good visibility of colour changes inside the labware placed on this surface

Specifications:

- Model : 120515GB
- Plate material : Glass ceramic
- Plate dimensions : 150 x 150 mm
- Stirrer speed : 100 – 2000 rpm
- Max. stirring capacity : 15 litres
- Dimensions (w x d x h) : 172 mm x 248 mm x 107 mm
- Net weight : 2 kg
- Electrical supply : 230 V, 50 Hz, 50 W
- IP rating : 32



Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
120515GB	ES6	Magnetic Stirrer with Ceramic Top	46750

General Lab Equipments

Dry Bath

Dry Bath is designed to uniformly heat the contents of 24 tubes from ambient to 100° C. The microprocessor controls with digital display ensures accurate temperature control and avoids contamination of samples, unlike in a water bath.

Dry Bath has soft touch keys enabling easy setting of temperature. It is compact, rugged and easy to handle. Each dry bath is provided with a solid anodized aluminium combi block (standard) to hold 24 tubes (1.5 ml – 8 tubes; 0.5 ml – 8 tubes and 5 ml – 8 tubes). It is housed in recessed chamber. The micro processor controls ensure aluminium block temperature to be within $\pm 0.5^{\circ}\text{C}$ of set value. It is designed for continuous use and there is no need to unplug. The Aluminium block can be autoclaved to avoid contamination.

Applications:

1. Enzyme Assays
2. Digestions
3. Marking DNA Specimen
4. Incubating melted Agar
5. Chemical Oxygen Demand (COD) Reactor

Block Capacity	: 0.5 ml x 8, 1.5 ml x 8, 0.2 ml x 8
Size	: 16 x 21 x 13 cms
Weight	: 5 kgs. Approx.
Input Voltage	: 230V, 50Hz. A.C. Supply

Specification:

Make	: Genei
Model	: Dry Bath
Old Cat No.	: TC-1
Cat No,	: 107170GB
Temperature Controller	: Digital
Temperature range	: Ambient to 100°C (Ambient at 25°C)
Temperature Accuracy	: $\pm 0.5^{\circ}\text{C}$.
Block size	: 9.5 x 7.5 x 5 cms



Water Bath

Water Bath can be used to heat the samples through water. There is a separate circulation inside the chamber to maintain the uniform temperature across the corners. Genei uses PID controller to maintain very accurate temperature. Controller has got auto tuning and self calibration modes. Controller can be calibrated by using natural water with the help of external thermometer. The controller can be operated without supervision. Inner body made out of SS and outer body made out of MS with powder coated. Controller portion can be taken out easily to clean the tank.

Specification:

Make	: Genei
Pl. No.	: WC1
Cat No,	: 107931GB
Capacity	: 10Ltrs.
Temperature Range	: Above Ambient to 70°C. (Ambient at 25°C).
Temperature controller	: Digital.
Temperature Sensitivity	: $\pm 0.5^{\circ}\text{C}$.
Temperature sensor	: PID
Body	: Inner body SS and outer body MS with powder Coated.
Water Circulation	: Inside the tank.
Tank Dimension	: 28 x 25 x 15 cms

Instrument Dimension	: 38 x 20 x 18 cms
Weight	: 12 kgs.
Input Voltage	: 230V, 50 Hz, 15 Amps (max). A.C. Supply.



pH Meter

Genei's pH meter is a uniquely designed manual/auto temperature compensated pH meter suitable for day-to-day use in the laboratory with high resolution and accuracy. Asymmetric and slope controls kept hidden are adjusted by inserting a small screw driver to avoid unintentional or accidental adjustment after setting with standard buffer solutions. The instrument is supplied with best quality combined electrode and temperature probe.(PT100).

Specification:

Make	: Genei
Pl. No.	: PHM-1
Cat No.	: 117800GB
pH range	: 0-14 or continuous
MV range	: 0-1999 with auto polarity
Accuracy pH	: 0.5pH +/_ 1 Digit.
MV	: 1 mV +/_ 1 digit
Input Impedance	: More than 10 ¹² Ohms
Buffer Calibration	: pH 7.0, pH 4.0/ 9.2
Electrode	: Unbreakable
Display	: 3½ Digit display with seven segment green 0.5" LED.
Temp. Compensation	: 0-100°C with ATC.
Body	: MS With powder coated body
Weight	: 2 kgs.
Size	: 23 x 17 x 10 cms
Input Voltage	: 230V, 50Hz. A.C. Supply



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
General Lab Equipments				
107170GB	TC1	Dry Bath with Standard Heating Block	1 No.	26570
107931GB	WC-1	Water Bath with 10 Liters water tank	1 No.	60360
117800GB	PHM-1	pH Meter	1 No.	25900

Lab Coolers

Genei Coolers

Cooler, thermal container is ideal for ultra low temperature and conventional freezer storage. It is ideal for storage of restriction enzymes, nucleic acids and other biochemical or biological samples, requiring sub freezing temperatures. It replaces the conventional ice box.

- It helps to maintain temperature stability for stored samples in the freezer during vial handling or power failure.
- It maintains subzero temperatures for up to 3 hours, when used at the bench top at normal room temperature. It eliminates numerous trips back and forth to the laboratory freezer
- It may also be used to freeze mammalian and insect cells prior to ultra low temperature storage.
- Two sizes, 12 or 24 tube storage modules are available for 1.5 ml or 0.5 ml standard size conical tubes.

Genei deals with different type of coolers where the sample can be stored for two to two and half hours in vials.

Specification:

Make : Genei
Capacity : 12 x 1.5 ml.
Principal Material : Acrylic
Pl. No. : GC1
Cat No. : 107100GB

Make : Genei
Capacity : 24 x 0.5 ml.
Principal Material : Acrylic
Pl. No. : GC3
Cat No. : 107102GB



Ordering Information:

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Lab Coolers and glass columns				
Cooler				
107100GB	GC-1	Bench Top cooler (24 x 1.5 ml tube)	1 Unit	5570
106991GB	C1708	Glass column for affinity (1.7 cm x 8 cm)	1 No.	1040

Pipette Stands

Pipette stand made of white acrylic with an option for 5 individual fixed / variable volume micropipettes or three multichannel micropipettes.



Cat # 107141GB



Cat # 107142GB

Cat No.	Pl. No.	Product	Pack Size	Unit Price ₹
Pipette Stand				
107141GB	PIP-4	Pipette stand (for 5 pipettes)	1 No.	1830
107142GB	PIP-5	Multichannel pipette stand (3 Pipettes)	1 No.	2730

Other Products:

Cat No.	Product	Unit Price ₹
130106GB	Other Accessories Et Instruments	POR

TrueLine

GeNei™ offers a wide range of quality laboratory plastic products for use in many types of life science laboratories through the brand TrueLine. Whether you need products for culturing cells or carrying out assays, TrueLine offers the most popular sizes of the most used products in many labs.

Serological Pipettes

- Paper/plastic wrap
- Sterile
- Non pyrogenic
- One piece construction
- Non cytotoxic
- Fine graduations



Ordering Information:

Cat No.	Product	Qty./Pack	Qty./Case	Unit Price ₹
130001GB	Cell Pipettes, 1ml	1	500	9000
130002GB	Cell Pipettes, 2ml	1	500	10000
130003GB	Cell Pipettes, 5ml	1	250	7000
130004GB	Cell Pipettes, 10ml	1	200	6200
130005GB	Cell Pipettes, 25ml	1	100	6500

Cell Culture Dishes

- Clear polystyrene
- Surface for cell attachment Stackable
- Cover allows gas exchange
- Sterile



Ordering Information:

Cat No.	Product	Qty./Pack	Qty./Case	Unit Price ₹
130006GB	Cell Culture Dishes, 35x10mm	20	500	12800
130007GB	Cell Culture Dishes, 60x15mm	20	500	12800
130008GB	Cell Culture Dishes, 100x20mm	20	500	21000
130009GB	Cell Culture Dishes, 150x20mm	5	60	12700

Cell Culture Plates

- Clear polystyrene
- Surface for cell attachment
- Lid allows gas exchange
- Sterile
- Individually labelled wells



Ordering Information:

Cat No.	Product	Qty./Pack	Qty./Case	Unit Price ₹
130010GB	Cell Culture Dishes, 6well	1	50	7300
130011GB	Cell Culture Dishes, 12 well	1	50	10300
130012GB	Cell Culture Dishes, 24 well	1	50	10000
130013GB	Cell Culture Dishes, 96 well	1	50	9400

Cell Culture Flasks

- Clear polystyrene
- Sterile
- Vent or Non Vent cap
- Flask shape minimizes slushing into neck and accessibility to entire growth surface area
- Surface for cell attachment
- Stackable
- Broad base increases stability



Ordering Information:

Cat No.	Product	Qty./Pack	Qty./Case	Unit Price ₹
130014GB	Cell Culture Flasks 25cm ² , vent	10	200	14800
130015GB	Cell Culture Flasks 25cm ² , plug	20	500	29800
130016GB	Cell Culture Flasks 75cm ² , vent	5	100	21200
130017GB	Cell Culture Flasks 75cm ² , plug	5	100	19400
130018GB	Cell Culture Flasks 162cm ² , vent	5	25	6200
130019GB	Cell Culture Flasks 162cm ² , plug	5	25	7000

Cryogenic Vials

- Polypropylene
- Self-standing
- Non pyrogenic
- Zip-lock bag
- Internal and external thread options
- Sterile
- RNase-free and DNase-free
- Graduation and large marking spot



Ordering Information:

Cat No.	Product	Qty./Pack	Qty./Case	Unit Price ₹
130020GB	Cryovials - 2mL, int thread	EA	500 nos.	12700
130021GB	Cryovials - 2mL, ext thread	EA	500 nos.	13600

Other Products:

Cat No.	Product	Qty./Pack	Unit Price ₹
130031GB	Centrifuge Tube, 15 ml, Conical	500 nos.	11600
130033GB	Centrifuge Tube, 50 ml, Conical	500 nos.	16900
106934GB	Superior nitrile gloves, Large	50 nos.	1265
130043GB	Nitrile Gloves Medium	50 nos.	1300

Plasticware

Ordering Information:

Cat No.	Product	Qty./ Pack	Unit Price ₹
Bulk Tips			
130080GB	0.5-10 ul Tips Bulk Pack (1000/pk)	20000	19820
130081GB	0.5-10 ul Tips Bulk Pack (1000/pk) Low Binding	20000	23490
130107GB	200ul Yellow Tips Bulk Pack (1000/pk)	30000	13590
130108GB	200ul Clear Tips Bulk Pack (1000/Pk)	30000	13590
130109GB	200 ul Tips Graduated for reference Clear (Bulk)	10000	7930
130110GB	1000 ul Blue Tips (Bulk)	30000	25590
Racked Tips			
130082GB	0.5-10ul "MAXYmum Recovery" Tips for P2/P10, Racked	4800	13960
130083GB	0.5-10ul "MAXYmum Recovery" Tips for P2/P10, Racked & Pre-St	4800	16250
130084GB	0.5-10ul Clear Tips for P2/P10	4800	10910
130085GB	0.5-10ul Clear Tips for P2/P10	4800	11500
130073GB	200ul "MAXYmum Recovery" Clear Tips Racked	4800	15070
130074GB	200ul "MAXYmum Recovery" Clear Tips Racked & Pre-Sterilized	4800	16810
130075GB	200ul Clear Tips, Racked	4800	10910
130076GB	200ul Clear Tips, Racked & Pre	4800	11930
130078GB	200ul Yellow Tips, Racked	4800	10910
130079GB	200ul Yellow Tips, Racked & Pr	4800	11760
130087GB	300ul Clear Tips, Racked	4800	12460
130088GB	300ul Clear Tips, Racked & Pre-Sterilized	4800	13500
130111GB	300ul Clear Tips, Racked & Pre-Sterilized	960	2150
130066GB	1000ul Blue Tips, Racked	5000	14340
130067GB	1000ul Blue Tips, Racked & Pre	5000	15430
130069GB	1000ul Clear Tips, Racked	5000	12460
130070GB	1000ul Clear Tips, Racked & Pr	5000	14430

Cat No.	Product	Qty./ Pack	Unit Price ₹
Filter Tips			
130089GB	1000ul Universal Fit Filter Ti	5000	19260
130090GB	1000ul Universal Fit Filter Ti	5000	25630
130091GB	20ul Filter Tips for P-20	10000	29850
130092GB	20ul "MAXYmum Recovery" Filter Tips for P-20, Racked, Pre-St	4800	29850
130093GB	20ul Filter Tips for P-20, Rac	4800	21760
130094GB	0.5-10ul Filter Tips for P-2,	10000	29850
130095GB	10ul "MAXYmum Recovery" Tips for P-2, Racked, Pre-Sterilized	4800	29850
130096GB	0.5-10ul Filter Tips for P-2,	4800	21760
Microcentrifuge Tubes			
130112GB	0.6 ml Microtubes Clear	10000	13070
130113GB	0.6 ml Microtubes Clear, Sterile	5000	12460
130114GB	1.7 ml Microtubes Clear	5000	8060
130115GB	1.7 ml Microtubes Clear, Sterile	2500	9630
130049GB	1.7ml Microtubes. Amber	5000	10810
130053GB	2.0ml Boil-Proof Microtubes. C	5000	7930
130054GB	2.0ml Microtubes, Pre-Steriliz	2500	7930
PCR Tubes & Strips			
130061GB	0.2ml Thin Wall Tubes 8 Per St	1250	45310
130062GB	0.2ml Thin Wall Clear PCR Stri	1250	56640
130063GB	0.2ml Thin Wall PCR Tubes, Fla	10000	23790
130064GB	0.2ml Thin Wall Tube Caps 8 Pe	1250	10190
PCR Plates			
130116GB	.2ml 96-Well Non Skirted PCR Plate, Natural	100	18120
130117GB	.2ml 96-Well Semi Skirted Plate, Natural	100	21520
130118GB	.2ml 96-Well Raised Rim Semi Skirted Plate, Natural	100	18120
130119GB	.2ml 96-Well Full Skirted PCR Plate, Natural	100	18120
130120GB	384-Well PCR Plate, Natural	100	26050
PCR Seals and Freeze Block			
130121GB	Cap Strips Flat Clear NT 250/CS 250/BG	250	6570
130122GB	Cap Strips Domed NT 250/CS 250/BG	250	6570
130123GB	Freeze Block 9Mm RD 1/CS	1	18120
130124GB	Clear Plate Sealers 100/CS	100	5660
130125GB	Aluminum Plate Sealers 100/CS	100	10190
130126GB	Real-Time Plate Seals 100/CS	100	13590
120504GB	90 MM PETRIDISH	450	4580

New Products

Plant Direct GenAmp PCR Kit

Introduction:

DNA extraction and purification from plants requires large amounts of starting material (e.g. Leaf) and adds time and expense to PCR protocols, as well as increases the risk of cross contamination and human error.

Description:

The Plant Direct GenAmp PCR Kit is fast, easy to perform and consequently ideal for large sample numbers. In addition, only a very small sample (0.5 cm leaf punch, for example) is enough for the assay.

The protocol involves direct PCR amplification from the plant material without a DNA extraction step. The leaf material is crushed in one buffer, followed by dilution and incubation in a second buffer.

The Plant Direct GenAmp PCR Kit represents a considerable simplification of present approaches by eliminating DNA isolation prior to PCR amplification.

Highlights:

- Excludes the need for DNA extraction.
- Fast and simple protocol requiring minimal amount of sample.
- Ideal for large number of samples.
- Tested with a wide variety of plant species

Applications:

This kit is useful in plant studies and downstream applications like High throughput plant genomic PCR, Phylogenetic or population-based plant DNA barcoding, plant seed fidelity testing etc. It is also suitable for DNA amplification across a broad range of plant species (Refer Fig. 2 and 3).
Time Duration: Hands on time: ~20 minutes.

Ordering Information:

Cat No.	Pl. No.	Product	Unit Price ₹
610681300011730	KT234	Plant Direct GenAmp PCR Kit, (50 reactions)	4000
610681300021730	KT222C	Plant Direct GenAmp PCR Kit, (250 reactions)	15000

HotStart Blue Dye PCR Master Mix (2X)Product

Description:

The HotStart PCR Master Mix (2X) is a premixed, ready to use solution containing HotStart Taq DNA Polymerase, dNTPs, standard reaction buffer, stabilizers and an easy to track blue loading dye. Inclusion of tracking dye allows direct loading & analysis of PCR products by agarose gel electrophoresis following PCR amplification. The Ready to use PCR mix provides robust, reliable & consistent performance for PCR applications where specificity & sensitivity are desired. The HotStart PCR Master Mix is supplied at 2X concentration to accommodate the addition of Magnesium chloride, additives like BSA, DMSO, glycerol etc.
Storage:-20 OC.

Performance Test:

The HotStart PCR Master Mix (2X) is tested extensively for its reproducible performance in critical PCR amplifications. Mix is tested for amplification of 131 bp fragment of TNF gene and 400 bp fragment of β -Globin gene from human genomic DNA using non-optimal primers.

Mix is tested for detecting different subtypes of Human Papilloma virus (HPV) using consensus primers.

Highlights:

- Saves time-directly from PCR to gel electrophoresis.
- Room temperature assembly.
- Higher sensitivity & specificity compared to conventional Taq DNA Polymerase.
- Efficient amplification for as low as 25 μ l reaction volume.

Ordering information:

Cat No.	Pl. No.	Product	Unit Price ₹
610604400021730	MME44	GeNei™ HotStart Blue Dye PCR Master Mix (2X), 1 X 100 reactions	4,630

NanoGreen DNA Elpho Buffer
Easy, Economical & Environmentally safe

NanoGreen DNA Elpho Buffer is a safe alternative to Ethidium bromide. It can be used as a component of gel and electrophoresis buffer to visualise nucleic acids. The DNA bands appear green under standard UV transilluminator. The band of interest can be excised from the gel and further purification can be achieved by standard methods of nucleic acid purification.

NanoGreen DNA Elpho Buffer is supplied in 50X TAE buffer. Dilute 50 fold with autoclaved water.

Storage: Room Temperature, Protected from Light.

Ordering information:

Cat No.	Pl. No.	Product	Unit Price ₹
612602584001730	FC101M	NanoGreen DNA Elpho Buffer, 400 ml	5,120

GeNei™ Direct PCR Kit (for Mammalian Cell lines, Bacteria and Yeast)

Isolation of PCR grade DNA from various samples is time consuming and not easily adaptable to automation. To save on time, there is a need to obviate DNA extraction from the samples prior to PCR. The ever increasing use of PCR in clinical and research applications, requires a rapid, simple and an effective method of sample processing. The GenAmp PCR Direct Kit for Mammalian Cell lines, Bacteria and Yeast enables DNA amplification directly from mammalian cells, bacteria and yeast samples without any prior DNA extraction. The protocol is fast and easy, without the need for steps like phenol extraction, DNA precipitation and column purification.

Highlights:

- Direct amplification of genomic DNA from various sources like bacteria, yeast and mammalian cells.
- Use of Single buffer.
- Consistent and highly reproducible results.
- Fast and easy protocol - Eliminates need for a separate DNA extraction step prior to PCR and enables rapid extraction of DNA from the samples.

Applications:

- Genomic DNA amplification from mammalian cells, bacteria and yeast.
- Molecular biology and PCR applications

Ordering Information:

Cat #	Product	Unit Price ₹
612125300021730	GeNei™ Direct PCR Kit (for Mammalian Cell lines, Bacteria and Yeast), 50 reactions	8000

MicroRNA Isolation Kit

MicroRNA (miRNA) are non-coding approximately 20–24 nucleotide small RNAs that post-transcriptionally regulate gene expression via suppression of specific target mRNAs are involved in various physiological (signal transduction, protein degradation, response to environmental stress and pathogen invasion) and biological processes. miRNA circulate in a highly stable, cell-free form in the plasma and serum which have been found to be altered in cancer and other disease state and show a great promise as a novel non-invasive biomarker for diagnosis of cancer and other diseases. Here we are presenting specific microRNA isolation kits for all biological samples/specimen including (plant, cells & tissues, blood serum & plasma, Serum Exosome) which will help to purify enriched fraction of small RNA molecules below 250bp.

Highlights:

- Rapid purification & enrichment of microRNA within 30 minutes.
- Minimized contamination of large DNA and RNA molecules
- Suitable for isolation of small RNA (<250bp)

Applications:

- Relative Quantification with Real Time PCR
- Reverse Transcriptase PCR

Ordering Information:

Cat #	Product	Unit Price ₹
612124700021730	MicroRNA Isolation Kit-Blood Exosome, 10 preps	15800
612124600021730	MicroRNA Isolation Kit-Blood Serum/Plasma, 20 preps	14750
612124500021730	MicroRNA Isolation Kit-Cells and Tissues, 20 preps	9210

Mouse Tissue Direct GenAmp PCR Kit

Genomic DNA extraction and purification from mouse tissues requires large amount of materials, it is time consuming and laborious in physically separating DNA from other cellular proteins and debris. It also increases the risk of carryover contamination and human error. The Mouse Tissue Direct GenAmp PCR kit is a fast and easy protocol for DNA amplification directly from mouse tissues bypassing the DNA extraction steps. A tiny amount of any tissue sample (1–2mm) is enough for direct PCR amplification of the gene of interest. Transgenic mouse genotyping is achieved directly from mouse tissues without prior DNA purification.

Highlights:

- Eliminates need for a separate DNA extraction step prior to PCR
- Unique buffer formulation to resist various PCR Inhibitors in tissue samples
- Reduces contamination risk, turnaround time and cost of genomic testing
- Ready-to-use and optimized Hot Start PCR Master Mix
- Direct amplification of genomic DNA from mouse tissues

Applications:

- Transgenic mouse PCR Genotyping
- Target Detection

Ordering Information:

Cat #	Product	Unit Price ₹
612125400021730	Mouse Tissue Direct GenAmp PCR Kit, 50 reactions	8000

Plant Transgenic Marker Detection Kits

Transgenic plants carry 'transgenes' in their genomes and transmit them to their progeny through normal reproduction. Generation of transgenic plants is the method of choice to introduce a gene of interest into plants through a transformation vector. Transformation vector has an array of marker gene which vary among different vector types. To validate successful plant transformation or stable integration of the gene of interest into the transgenic plant at an early stage of development, they need to be screened for the marker gene in the transformation vector. Plant Transgenic Marker detection Kits have been developed for routine screening of Genetically Modified Organisms (GMO) by confirming the presence/absence of transgene in transformation vector or transgenic plants. GMO's are specific with respect to common use elements like promoter, selectable marker or terminal gene. PCR based Plant Transgenic Marker Detection Kits has been optimized for fast and precise detection of plant transgene based on CaMV35S, Gus and NptII, marker genes.

Highlights:

- Fast, sensitive and efficient detection of transgene in vector / plant system
- Streamline workflow for Transgenic screening
- Provided with Red Dye PCR Master Mix in ready-to-use format
- Ready-to-use & Optimized PCR primers/conditions for specific elements

Applications:

- Routine screening of transgenic plants
- Confirmatory test for presence/absence of marker elements

Ordering Information:

Cat #	Product	Unit Price ₹
612125700011730	PLANT CaMV-35S TRANSGENE MARKER DETECTION KIT - 50 reactions	8780
612125600011730	PLANT NptII TRANSGENE MARKER DETECTION KIT - 50 reactions	8780
612125500011730	PLANT Gus TRANSGENE MARKER DETECTION KIT - 50 reactions	8780

SyberGreen RealTime PCR Reference Gene PrimerSets

SyberGreen RealTime PCR primer-sets for plant reference genes provide a ready-to-use solution to normalize expression of any plant gene-expression under any physiological conditions using these primer sets.

Highlights:

High Specificity: Single amplicon product

Uniform Efficiency: >90% PCR efficiency

Wide Dynamic Linear Range: 10 – 106

Ordering Information:

Cat #	Product	Unit Price ₹
610694400011730	SyberGreen RealTime PCR Plant Reference Gene PrimerSets, (100 reactions each); Arabidopsis ACT2	7980
610694300011730	SyberGreen RealTime PCR Plant Reference Gene PrimerSets, (100 reactions each); Arabidopsis ELF1	7980
610694500011730	SyberGreen RealTime PCR Plant Reference Gene PrimerSets, (100 reactions each); Rice Ubc5b	7980
610694600011730	SyberGreen RealTime PCR Plant Reference Gene PrimerSets, (100 reactions each); Tomato TIP41	7980

New Products Ordering Information:

Cat #	Product	Unit Price ₹
623103782501730	10X Tris Tricine SDS Buffer, 250ml	3750
623112672501730	2D Marker (25 Lanes) , 0.25ml	7510
613100180501730	3M Potassium acetate pH 5.5 (RNase-free), 50 ml	1720
612602980501730	50X Denhardt's Reagent, 50 ml	1630
623103585001730	5X Blot Transfer Buffer , 500 ml	5890
612602680061730	6X Orange-G/Cresol-Red DNA Loading Dye, 6 x 1 ml	1680
622111280101730	Antibody agarose (10 ml)	36360
623112472501730	Biotinylated Protein Molecular Weight Marker, 0.25 ml	6870
623103385001730	Coomassie Gel Destainer, 500 ml	3300
623103485001730	Coomassie Gel stainer, 500 ml	3840
623200981001730	ELISA Blocking Buffer (BSA) , 100ml	3990
623200481001730	ELISA Blocking Buffer (Casein) , 100ml	3990
623200681001730	ELISA Blocking Buffer (Gelatin) , 100ml	4850
623112700001730	Gel Filtration Marker, (5 experiments)	45080
626125000011730	GeNei™ Dot Blot Assay Teaching Kit, 5 Exp	5630
626125100011730	GeNei™ Haemagglutination Teaching Kit, 5 Exp	7510

Cat #	Product	Unit Price ₹
610604400021730	GeNei™ HotStart Blue Dye PCR Master Mix (2X), 1 X 100 reactions	4630
626125200031730	GeNei™ IEF Teaching Kit with Instrument, 5 Exp	35120
626125200011730	GeNei™ IEF Teaching Kit, 5 Exp	16900
622624800021730	GeNei™ Protein Estimation Kit (Bradford Micro Method), 250 Exp	7510
623112572501730	IEF Marker (25 Lanes) , 0.25ml	7510
612100280501730	Lymphocyte Separating Solution, 50 ml	8430
612602584001730	NanoGreen DNA Elpho Buffer P (400ml)	5120
621611000011730	OPD (Ortho Phenylenediamine), 1g	5560
621611100011730	OPD System (Ortho Phenylenediamine + Buffer + Chromogen), 10 x 10mg	4850
623112872501730	Peptide Marker, 0.25ml	12210
612124000021730	Plant microRNA Isolation Kit, (20 reactions)	9200
622160900011730	Purification of His-tagged fusion protein (NTA based) Kit, 4 reactions/ 4 preps	14140
613100780501730	STET Lysis Solution, 50 ml	2170

BIOCHEMICALS

- Buffers
- Buffer Salt
- Detergents
- Electrophoresis Reagents
- Amino Acids L-Amino Acid
- Proteins & Enzymes
- Stains
- Carbohydrates
- Denaturants
- Chelating Agent
- Detergents
- Dyes & Stains
- Acid & Bases
- Water
- Gel Medias

Catalog No.	Pack	Unit Price ₹
[Tyr(PO3H2)4]-Angiotensin II, Human		
05-23-0111-5MGCN	5 MG	9730
2-(Cyclohexylamino)ethanesulfonic acid(buffer substance CHES)		
1.15229.0025	25 G	5950
1.15229.0250	250 G	56340
2,2-Bis(hydroxyethyl)-(iminotris)-(hydroxymethyl)-methane BIS-TRIS		
1.03252.0025	25 G	6360
1.03252.0250	250 G	29100
2,2'-Dinitro-5,5'-dithiodibenzoic acid for biochemistry		
1.03291.0001	1 G	7010
1.03291.0005	5 G	16610
1.03291.0025	25 G	47230
2',7'-Dichlorofluorescein Diacetate		
287810-100MGCN	100 MG	8490
2-[4-(2-Hydroxyethyl)-1-piperazinyl]-ethanesulfonic acid sodium salt buffer substance HEPES-Na		
1.15231.0025	25 G	6990
1.15231.0250	250 G	27260
2-Deoxy-D-galactose		
259580-1GMCN	1 G	14650
2-Deoxy-D-glucose		
25972-1GMCN	1 G	6030
2-Oxoglutaric acid for biochemistry		
1.05194.0025	25 G	3200
1.05194.0100	100 G	7170
1.05194.1000	1 KG	36300
1.05194.9010	10 KG	483570
3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide for biochemistry		
1.11714.0001	1 G	12100
1.11714.0010	10 G	42200
3-(Cyclohexylamino)-1-propanesulfonic acid (CAPS) buffer substance		
1.06195.0100	100 G	7400
1.06195.0500	500 G	27260
3-(Cyclohexylamino)-2-hydroxy-1-propanesulfonic acid (CAPSO) Buffer substance		
1.06186.0100	100 G	6590
1.06186.1000	1 KG	55960
3-[4-(2-Hydroxyethyl)-1-piperazinyl]-propanesulfonic acid buffer substance HEPPS		
1.15230.0025	25 G	7040
1.15230.0250	250 G	23860
1.15230.9010	10 KG	870430
3-Morpholinopropane sulfonic acid (buffer substance MPS)		
1.06129.0025	25 G	6160
1.06129.0250	250 G	33720
1.06129.9010	10 KG	806740
5,5'-Dithio-bis-(2-nitrobenzoic Acid)		
322123-5GMCN	5 G	10210
5-Aminolevulinic acid hydrochloride for biochemistry		
1.24802.0500	500 MG	11840
1.24802.2500	2.5 .G	25420

Catalog No.	Pack	Unit Price ₹
5-Bromo-2'-deoxyuridine		
203806-1GMCN	1 G	15870
203806-5GMCN	5 G	51580
5-CFDA		
216275-50MGCN	50 MG	9730
5'-Deoxy-5'-methylthioadenosine		
260585-50MGCN	50 MG	10960
5-Dimethylaminonaphthalene-1-sulfonyl chloride for biochemistry		
1.03094.0001	1 G	5710
1.03094.0010	10 G	40070
5-Hydroxy-L-tryptophan, Free Acid		
399698-25GMCN	25 G	38030
6-(Furfurylamino)purine for biochemistry		
1.24807.0250	250 MG	10890
1.24807.0001	1 G	10190
7-Amino-4-methylcoumarin		
164545-10MGCN	10 MG	6030
8-CPT-2'-O-Me-cAMP		
116833-5UMOLCN	5 UMOL	39270
a1-Acid Glycoprotein, Human Plasma		
112251-1MGCN	1 MG	9730
a2-HS-Glycoprotein, Human Plasma		
362199-1MGCN	1 MG	30650
A77 1726		
100128-5MGCN	5 MG	14650
OmniPur™ ABTS LIQUID SUBSTR		
2006-100MLCN	100 ML	10050
Acetylcoenzyme A, Trilithium Salt		
1063-10MGCN	10 MG	9360
1063-100MGCN	100 MG	54050
Acridine Orange		
113000-1GMCN	1 G	8490
Acrylamide for electrophoresis		
1.10784.0100	100 G	3140
1.10784.1000	1 KG	18790
OmniPur™ Acrylamide, solid		
1150-100GMCN	100 G	4460
1160-1KGCN	1 KG	26220
1170-5KGCN	5 KG	104970
Acrylamide for electrophoresis special quality for molecular biology		
1.00209.0100	100 G	3430
1.00209.1000	1 KG	29140
Acrylamide ready-to-use solution 40% for electrophoresis		
1.00633.1000	1 L	9820
OmniPur™ Acrylamide, 40% solution		
1185-500MLCN	500 ML	6670
OmniPur™ Acrylamide:BIS 19:1 40% solution		
1290-100MLCN	100 ML	2860
1300-500MLCN	500 ML	8250
1310-1LCN	1 L	13100
OmniPur™ Acrylamide: Bisacrylamide 19:1 Premixed Powder		
1200-200GMCN	200 G	11930

Catalog No.	Pack	Unit Price ₹
Acrylamide-bis ready-to-use solution 40% (19:1) for electrophoresis		
1.00640.1000	1 L	7430
OmniPur™ Acrylamide/BIS 29:1		
1490-100MLCN	100 ML	3200
OmniPur™ Acrylamide:BIS 29:1 40% solution		
1690-100MLCN	100 ML	3330
1700-500MLCN	500 ML	7220
1710-1LCN	1 L	10870
OmniPur™ Acrylamide: Bisacrylamide 29:1 Premixed Powder		
1600-200GMCN	200 G	11710
Acrylamide-bis ready-to-use solution 40% (29.1:0.9) for electrophoresis		
1.00641.1000	1 L	12490
OmniPur™ Acrylamide:BIS,37.5		
1500-500MLCN	500 ML	8250
Acrylamide-bis ready-to-use solution 40% (37.5:1) for electrophoresis		
1.00638.1000	1 L	12380
Acrylamide-bis ready-to-use solution 30% (37.5:1) for electrophoresis		
1.00639.1000	1 L	8960
Actinomycin D, 7-Amino-		
129935-1GMCN	1 MG	18340
Actinomycin D, Streptomyces sp.		
114666-5MGCN	5 MG	10960
114666-1SETCN	1 SET	26960
OmniPur™ Actinomycin D		
2472-5MGCN	5 MG	22870
Acyclovir		
114798-25MGCN	25 MG	8490
Adenine		
1152-10GMCN	10 G	6030
1152-25GMCN	25 G	7270
1152-100GMCN	100 G	26960
Adenosine 3'-Phosphate 5'-Phosphosulfat		
118410-10MGCN	10 MG	55270
Adenosine 5'-Diphosphate, Monosodium		
1171-1GMCN	1 G	8590
1171-5GMCN	5 G	30030
Adenosine 5'-Diphosphate, Potassium Salt		
117105-1GMCN	1 G	8490
Adenosine 5'-Triphosphate, Disodium		
119125-1GMCN	1 G	11910
Adenosine 5'-Triphosphate, Disodium Salt		
1191-1GMCN	1 G	3570
1191-5GMCN	5 G	7270
1191-25GMCN	25 G	26960
1191-50GMCN	50 G	46650
Adensoine 5'-Monophosphate, Disod. Salt		
118110-5GMCN	5 G	12180
a-D-Galactose-1-phosphate, Dipotassium		
345646-100MGCN	100 MG	8490
a-D-Glucose-6-phosphate		
346764-1GMCN	1 G	6030
346764-5GMCN	5 G	18340

Catalog No.	Pack	Unit Price ₹
Adonitol		
121739-25GMCN	25 G	23110
Advanced Glycation Endproduct-BSA		
121800-10MGCN	10 MG	26800
Agar		
12177-1KGCN	1 KG	18340
Agarose (low electroendoosmosis) for electrophoresis		
1.16802.0025	25 G	5530
1.16802.0250	250 G	60680
Agarose (medium electroendoosmosis) for electrophoresis		
1.16801.0025	25 G	8980
1.16801.0250	250 G	46920
Agarose for analytical nucleic acid electrophoresis		
1.01236.0100	100 G	15850
1.01236.0500	500 G	46600
Agarose for nucleic acid electrophoresis (range of molecular weight < 1000 bp)		
1.12239.0025	25 G	16090
1.12239.0100	100 G	67930
Agarose, Type C		
121852-100GMCN	100 G	39270
Agarose, Type I, Molecular Biology Grade		
121853-100GMCN	100 G	28040
121853-500GMCN	500 G	74970
OmniPur™ Agarose Pcr Plus		
2005-25GMCN	25 G	8320
2010-100GMCN	100 G	22010
2020-500GMCN	500 G	103260
OmniPur™ Agarose SFR		
2081-100GMCN	100 G	74410
2082-250GMCN	250 G	151650
OmniPur™ Agarose High Gel Strength		
2090-100GMCN	100 G	25740
OmniPur™ Agarose		
2120-100GMCN	100 G	12870
2125-500GMCN	500 G	63690
OmniPur™ AGROSE, Low Melting		
2070-100GMCN	100 G	58070
OmniPur™ 6X Agarose LOAD DYE		
2100-5MLCN	5 ML	6560
Albumin fraction V (from bovine serum) for biochemistry		
1.12018.0025	25 G	16640
1.12018.0100	100 G	39510
1.12018.0500	500 G	91600
Albumin, Bovine Serum, Low Heavy Metals		
12659-25GMCN	25 G	6030
12659-100GMCN	100 G	20800
12659-250GMCN	250 G	40500
12659-500GMCN	500 G	62660
12659-1KGCN	1 KG	109280
Albumin, Human Serum, Fraction V		
12668-10GMCN	10 G	30650
12668-100GMCN	100 G	157440

Catalog No.	Pack	Unit Price ₹
Albumin, Human Serum, Non-denatured		
126654-1GMCN	1 G	15870
Albumin, Mouse		
126674-25MGCN	25 MG	15870
Aldehyde dehydrogenase (from yeast) lyophilized 100 U/vial for biochemistry EC 1.2.1.5		
1.15640.0001	1 VIAL	8670
alpha-Chymotrypsin (from bovine pancreas) cryst. lyophilized 350 U/mg for biochemistry EC 3.4.21.1		
1.02307.0001	1 G	15400
1.02307.0005	5 G	31190
alpha-Cyclodextrine for biochemistry		
1.02126.0050	50 G	39370
Ammonium Acetate, 5 M, MBG, DEPC-Treated		
168306-100MLCN	100 ML	6030
OmniPur™ AMMONIUM ACETATE		
2145-1KGCN	1 KG	5380
2149-5KGCN	5 KG	20020
Ammonium Chloride, MB Grade		
168320-250GMCN	250 G	3570
168320-1KGCN	1 KG	7270
OmniPur™ AMMONIUM PERSULFATE		
2300-25GMCN	25 G	1920
2310-100GMCN	100 G	4300
Ammonium Sulfate		
168355-1KGCN	1 KG	10960
Ammonium sulfate for biochemistry		
1.01211.0250	250 G	4920
1.01211.1000	1 KG	4270
1.01211.5000	5 KG	22940
1.01211.9050	50 KG	57400
OmniPur™ AMMONIUM SULFATE		
2150-1KGCN	1 KG	4070
2160-5KGCN	5 KG	11690
2170-25KGCN	25 KG	44430
Ammonium Sulfate, MB Grade		
168356-1KGCN	1 KG	8490
Amphotericin B, Streptomyces sp.		
171375-100MGCN	100 MG	7270
Ampicillin, Sodium, Sterile		
171257-10MLCN	10 ML	8490
Ampicillin, Sodium, Sterile, TC Gr.		
171255-20MLCN	20 ML	6030
Ampicillin, Sodium Salt		
171254-5GMCN	5 G	7000
171254-25GMCN	25 G	20820
Anisomycin, Streptomyces griseolus		
176880-10MGCN	10 MG	7270
AP0-10		
178375-1GMCN	1 G	10960
AP0-12		
178377-1GMCN	1 G	10960
Aquacide II		
17851-1KGCN	1 KG	9730
17851-5KGCN	5 KG	36810

Catalog No.	Pack	Unit Price ₹
Aquacide III		
17852-1KGCN	1 KG	9730
17852-5KGCN	5 KG	36810
ASB-14 DETERGENTS		
182750-5GMCN	5 G	19580
182750-25GMCN	25 G	88500
ASB-16 DETERGENTS		
182755-25GMCN	25 G	62660
ASB-C7BzO		
182729-5GMCN	5 G	44190
ASB-C80-slash		
182730-1GMCN	1 G	14650
182730-5GMCN	5 G	54140
ATP-g-S, Solution, Tetralithium Salt		
119123-100ULCN	100 UL	25730
ATP-g-S, Tetralithium Salt		
119120-25MGCN	25 MG	41580
b2-Glycoprotein 1, Human Plasma		
362225-100UGCN	100 UG	36810
Bacitracin		
1951-250KUCN	250 KU	4800
BAPTA, Tetrasodium Salt		
196418-1GMCN	1 G	18340
BAPTA/AM		
196419-25MGCN	25 MG	16670
196419-100MGCN	100 MG	49120
b-Carotene		
217538-1GMCN	1 G	6030
BCECF/AM		
216254-1MGCN	1 MG	14650
OmniPur™ BCIP		
2510-500MGCN	500 MG	24510
b-Cyclodextrin		
239760-25GMCN	25 G	6030
239760-500GMCN	500 G	52810
Benzalkonium Chloride		
199001-5GMCN	5 G	4800
199001-25GMCN	25 G	9730
Benzamidine HCL		
198901-250MLCN	250 ML	26960
BES, Free Acid, ULTROL Grade		
391334-25GMCN	25 G	4800
391334-100GMCN	100 G	10960
b-Glucan, Saccharomyces cerevisiae		
346210-25MGCN	25 MG	18340
Bicine, ULTROL Grade		
391336-100GMCN	100 G	8490
391336-1KGCN	1 KG	60650
Big CHAP		
200965-1GMCN	1 G	17110
Big CHAP, Deoxy		
256455-1GMCN	1 G	33110
OmniPur™ BIS Acrylamide, 2% SOL 100ML		
2640-100MLCN	100 ML	2170

■ Biochemicals from Merck KGaA (Germany)

Availability of the products of animal origin is subject to government regulations. Please check with your local MM representative before ordering.

Catalog No.	Pack	Unit Price ₹
Bisbenzimidazole H 33258 Fluorochrome, 3HCl		
382061-100MGCN	100 MG	9730
382061-250MGCN	250 MG	24490
382061-1GMCN	1 G	71280
Bisbenzimidazole H 33342 Fluorochrome, 3HCl		
382065-100MGCN	100 MG	10960
BIS-Tris Propane, ULTROL Grade		
394111-100MGCN	100 G	15870
BIS-Tris, ULTROL Grade		
391335-100MGCN	100 G	10960
391335-1KGCN	1 KG	64660
OmniPur™ BIS TRIS		
2650-100GMCN	100 G	8050
2670-5KGCN	5 KG	286650
OmniPur™ BIS-TRIS HCL		
4.85070.5000	5 KG	POR
Blasticidin S, HCl, S. griseochromogenes		
203350-25MGCN	25 MG	16670
Blasticidin S, Streptomyces sp.,		
203351-10MLCN	10 ML	49120
BLEOCIN, Streptomyces verticillus, CCT		
203408-10MGCN	10 MG	7270
203408-100MGCN	100 MG	20800
203408-250MGCN	250 MG	46650
BLEOCIN, Streptomyces verticillus, Sterile		
203410-10MLCN	10 ML	38030
Bleomycin Sulfate, S. verticillus		
203401-10MGCN	10 MG	44040
BMS		
203325-1GMCN	1 G	19580
Boric Acid, MB Grade		
203667-500GMCN	500 G	5460
203667-1KGCN	1 KG	7270
OmniPur™ BORIC ACID		
2710-1KGCN	1 KG	9710
2720-5KGCN	5 KG	34380
2730-25KGCN	25 KG	126510
Bovine g-Globulin, Serum		
345876-5GMCN	5 G	6030
345876-25GMCN	25 G	28190
345876-100GMCN	100 G	76190
BQ-123, Sodium Salt		
05-23-3831-1MGCN	1 MG	15870
05-23-3831-5MGCN	5 MG	62660
BQ-788, Sodium Salt		
05-22-3838-1MGCN	1 MG	26960
05-22-3838-5MGCN	5 MG	104510
OmniPur™ Bradford Method Assay Kit		
2740-1KITCN	1 KIT	36980
BRIJ 35 Detergent, 30% Aqueous Solution		
203724-100MLCN	100 ML	4800
203724-1LCN	1 L	22030
BRIJ 35 Detergent, PROTEIN Gr., 10% Soln		
203728-50MLCN	50 ML	15870

Catalog No.	Pack	Unit Price ₹
Brij® 35 solution (30% w/w in water) for biochemistry		
1.01894.0100	100 ML	3060
1.01894.1000	1 L	28970
Bromelain (from pineapples) 2 mAnson U/mg for biochemistry EC 3.4.22.32		
1.01651.0025	25 G	4550
1.01651.1000	1 KG	62780
OmniPur™ Bromocresol Green		
2800-25GMCN	25 G	16290
OmniPur™ Bromophenol Blue		
2830-25GMCN	25 G	6270
BSA, 10% Aqueous Soln, Nuclease-Free		
126615-25MLCN	25 ML	31890
BSA, 30% Aqueous Soln, Preservative-Free		
126626-50MLCN	50 ML	17110
BSA, 30% Aqueous Soln, Stabilizer-Free		
126625-50MLCN	50 ML	10960
BSA, Cohn Fraction, 30% Aqueous Soln		
126621-50MLCN	50 ML	10960
BSA, Frac. V, Fatty Acid, Nuc, Prot-Free		
126609-5GMCN	5 G	8490
126609-10GMCN	10 G	15380
126609-100GMCN	100 G	89580
BSA, Frac. V, Fatty Acid-Poor, EF		
126579-10GMCN	10 G	8350
126579-100GMCN	100 G	44040
BSA, Fraction V, Crystalline		
12657-1GMCN	1 G	5460
12657-5GMCN	5 G	14650
12657-25GMCN	25 G	50340
BSA, Fraction V, Fatty Acid-Free		
126575-10GMCN	10 G	8490
126575-100GMCN	100 G	45270
BSA, Fraction V, Modified Cohn, pH 5.2		
12660-100GMCN	100 G	27880
12660-1KGCN	1 KG	131900
BSA, Fraction V, RIA and ELISA Gr.		
126593-10GMCN	10 G	8490
126593-25GMCN	25 G	15870
126593-100GMCN	100 G	44040
OmniPur™ BSA, FRACTION V		
2905-5GMCN	5 G	21220
2910-25GMCN	25 G	24510
2930-100GMCN	100 G	31090
2960-500GMCN	500 G	111700
2980-1KGCN	1 KG	197250
BSA, Frac. V, Fatty Acid, Nuc, Prot-Free		
126609-1KGCN	1 KG	POR
BSA, Fraction V, Fatty Acid-Free		
126575-1KGCN	1 KG	POR
BSA, Fraction V, RIA and ELISA Gr.		
126593-1KGCN	1 KG	POR
C12E8		
205528-1GMCN	1 G	23110
C12E8, PROTEIN Gr Detergent, 10% Soln		
205532-1SETCN	1 SET	28190

Catalog No.	Pack	Unit Price ₹
C12E9, PROTEIN GRADE Detergent, 10% Soln		
205534-1SETCN	1 SET	28190
C1q-Depleted Serum, Human		
234401-1MLCN	1 ML	22030
C3-Depleted Serum, Human		
234403-1MLCN	1 ML	29420
C5-Depleted Serum, Human		
234405-1MLCN	1 ML	22030
C9-Depleted Serum, Human		
234409-1MLCN	1 ML	22030
Cacodylic acid sodium salt trihydrate buffer substance for biochemistry		
1.03256.0010	10 G	6090
1.03256.0100	100 G	30700
Cacodylic Acid, Sodium Salt		
205541-100GMCN	100 G	24490
Caffeic Acid		
205546-500MGCN	500 MG	7270
Calcein-AM		
206700-1MGCN	1 MG	21880
Calcium Chloride, Dihydrate		
208290-1KGCN	1 KG	9730
Calcium Chloride, Dihydrate, MB Grade		
208291-250GMCN	250 G	3430
OmniPur™ CALCIUM CHLORIDE		
3000-500GMCN	500 G	3520
CAPS, ULTROL Grade		
239782-100GMCN	100 G	7270
239782-1KGCN	1 KG	35580
Carbenicillin, Disodium Salt		
205805-250MGCN	250 MG	4800
Carboxymethylcellulose, Na, High Visc.		
217274-250GMCN	250 G	4800
Carboxymethylcellulose, Na, Low Visc.		
217277-250GMCN	250 G	6030
217277-1KGCN	1 KG	18190
OmniPur™ CASAMINO ACID		
2240-500GMCN	500 G	22220
Casein acc. to HAMMARSTEN LAB		
1.02242.2500	2.5 KG	85990
Casein for biochemistry		
1.02244.0100	100 G	10940
Cefotaxime, Sodium Salt		
219380-2GMCN	2 G	25730
Cefotaxime, Sodium Salt, High Purity, Cell Culture-Tested		
219504-1GMCN	1 G	19580
219504-5GMCN	5 G	65640
Cellobiose for biochemistry		
1.02352.0025	25 G	17610
Cellulase Onozuka R-10 (from Trichoderma viride) 1 U/mg for biochemistry EC 3.2.1.4		
1.02321.0005	5 G	22520
1.02321.0025	25 G	49940

Catalog No.	Pack	Unit Price ₹
CELLULYSIN Cellulase, Trichoderma viride		
219466-50KUCN	50 KU	10960
219466-100KUCN	100 KU	20800
219466-200KUCN	200 KU	36810
Cerulenin, Cephalosporium caerulens		
219557-5MGCN	5 MG	10960
Cesium Chloride, MB Grade		
219650-100GMCN	100 G	18340
219650-500GMCN	500 G	65120
OmniPur™ Cesium Chloride		
3030-100GMCN	100 G	10350
3040-1KGCN	1 KG	62480
3045-5KGCN	5 KG	254810
CHAPS (3-[[3-Cholamidopropyl]-dimethylammonio]-propane- sulfonate) for biochemistry		
1.11662.0001	1 G	7540
1.11662.0010	10 G	41800
CHAPS, Molecular Biology Grade		
220201-1GMCN	1 G	4800
220201-5GMCN	5 G	15870
220201-10GMCN	10 G	28190
220201-25GMCN	25 G	54050
220201-250GMCN	250 G	175910
220201-1KGCN	1 KG	238690
OmniPur™ CHAPS		
3050-10GMCN	10 G	18240
3055-100GMCN	100 G	121620
CHAPSO		
220202-1GMCN	1 G	10960
220202-5GMCN	5 G	39270
Chenodeoxycholic Acid, Sodium Salt		
220411-5GMCN	5 G	22030
220411-100GMCN	100 G	POR
CHES, ULTROL Grade		
239779-100GMCN	100 G	8490
OmniPur™ CHES		
3100-100GMCN	100 G	8870
Chetomin, Chaetomium sp.		
220320-1MGCN	1 MG	34340
Chloramphenicol		
220551-25GMCN	25 G	7270
220551-100GMCN	100 G	22030
220551-500GMCN	500 G	72500
OmniPur™ CHLORAMPHENICOL		
3130-100GMCN	100 G	22870
OmniPur™ CHLOROFORM		
3150-950MLCN	950 ML	8060
OmniPur™ CHLOROFORM:ISO-AMYL		
3155-100MLCN	100 ML	4770
3160-450MLCN	450 ML	9710
Cholic Acid, Sodium Salt		
229101-50GMCN	50 G	8490
229101-250GMCN	250 G	20800
Cholinesterase (from horse serum) lyophilized 500 U/vial for biochemistry EC 3.1.1.8		
1.02606.0001	1 vial	15200

Catalog No.	Pack	Unit Price ₹
OmniPur™ CHLORIDE PHOSPHATE		
PW0002-30CN	30	13000
Chondroitin Sulfate, Bovine Trachea		
230699-5GMCN	5 G	8490
Chromomycin A3		
230752-10MGCN	10 MG	24490
OmniPur™ CITRIC ACID, ANHYDROUS		
3200-1KGCN	1 KG	6960
3220-5KGCN	5 KG	24350
CLELAND'S Reagent(DTT)		
233155-1GMCN	1 G	4800
233155-5GMCN	5 G	10960
233155-10GMCN	10 G	24190
233155-25GMCN	25 G	46190
233155-100GMCN	100 G	108210
233155-500GMCN	500 G	170980
233155-1KGCN	1 KG	250990
Cleland's Reagent, MB Grade(DTT)		
233156-1GMCN	1 G	4800
233156-10GMCN	10 G	26960
CLELAND'S Reagent, ULTROL Grade(DTT)		
233153-1GMCN	1 G	8490
233153-5GMCN	5 G	29420
233153-10GMCN	10 G	47890
CMP-Sialic Acid, Disodium Salt		
233264-5MGCN	5 MG	19580
233264-25MGCN	25 MG	78660
Coelenterazine		
233900-250UGCN	250 UG	26960
Coelenterazine-h, Synthetic		
233903-50UGCN	50 UG	14650
Coenzyme A, Trilithium Salt		
234101-100MGCN	100 MG	18840
Congo Red, High Purity		
234610-500MGCN	500 MG	7270
Coomassie® Brilliant blue G 250 (C.I. 42655) for electrophoresis		
1.15444.0025	25 G	6000
Coomassie® Brilliant blue R 250 (C.I. 42660) for electrophoresis Trademark of Imperial Chemical Industries PLC		
1.12553.0025	25 G	5780
OmniPur™ COOMASSIE BLUE G-250		
3300-25GMCN	25 G	16290
OmniPur™ COOMASSIE BLUE R-250		
3340-25GMCN	25 G	11350
3345-250GMCN	250 G	60710
Corticotropin-Rel. Factor, Human+Rat		
05-23-0050-0.1MGCN	0.1 MG	10960
05-23-0050-1MGCN	1 MG	42960
Creatinine for biochemistry		
1.05206.0050	50 G	10910
1.05206.0500	500 G	42070
CTAB, MB Grade		
219374-100GMCN	100 G	7000
Cycloheximide		
239763-1GMCN	1 G	8490
239763-5GMCN	5 G	25730

Catalog No.	Pack	Unit Price ₹
Cycloheximide, H. P.		
239764-100MGCN	100 MG	4800
239764-1GMCN	1 G	20560
Cyclosporin A, Tolypocladium inflatum		
239835-100MGCN	100 MG	9730
D(-)Arabinose		
178670-25GMCN	25 G	6030
D(-)-Fructose for biochemistry		
1.04007.0250	250 G	3950
1.04007.1000	1 KG	8050
D(-)Mannitol		
443907-100GMCN	100 G	3570
443907-500GMCN	500 G	10960
D(-)-Ribose for biochemistry		
1.07605.0050	50 G	17700
OmniPur™ D(-)-RIBOSE		
7410-100GMCN	100 G	14780
D(-)-Sorbitol for biochemistry		
1.07759.0100	100 G	6930
1.07759.0500	500 G	21440
D(+)Cellobiose		
219458-25GMCN	25 G	7270
D(+)Galactosamine, HCl		
34539-1GMCN	1 G	7270
D(+)-Galactose for biochemistry		
1.04058.0025	25 G	6080
1.04058.0100	100 G	17030
D(+)Glucosamine, HCl		
346299-100GMCN	100 G	4800
D(+)-Glucose anhydrous for biochemistry Reag. Ph Eur		
1.08337.0250	250 G	3280
1.08337.1000	1 KG	5000
1.08337.5000	5 KG	45070
1.08337.9050	50 KG	116240
D(+)-Glucose monohydrate for biochemistry		
1.04074.0500	500 G	3210
1.04074.1000	1 KG	4540
1.04074.5000	5 KG	13460
1.04074.9050	50 KG	56090
OmniPur™ D(+)-Glucose Monohydrate		
4074-2CN	500 g	4160
4074-4CN	5 KG	22080
D(+)Glucose, Anhydrous		
346351-250GMCN	250 G	4800
346351-1KGCN	1 KG	9730
D(+)-Mannose for biochemistry		
1.05388.0025	25 G	6140
1.05388.0100	100 G	17950
D(+)-Melezitose, Monohydrate		
444201-10GMCN	10 G	9730
444201-100GMCN	100 G	38030
D(+)-Xylose for biochemistry		
1.08689.0025	25 G	3990
1.08689.0100	100 G	6560
DAF-2		
251500-1MGCN	1 MG	42960

Catalog No.	Pack	Unit Price ₹
DAF-2 DA		
251505-1MGCN	1 MG	45270
DAF-FM 3-AMINO,4-AMINOMETHYL-2',7'-DIFL		
251515-1MGCN	1 MG	72500
DAF-FM DA		
251520-1MGCN	1 MG	72500
Dansyl Chloride		
311155-1GMCN	1 G	6030
DAPI, DiHCl		
268298-10MGCN	10 MG	15870
Daptomycin, Streptomyces sp		
268320-5MGCN	5 MG	13420
DAR-4M AM		
251765-1MGCN	1 MG	77430
DAR-4M DIAMINORHODAMINE-4M		
251760-1MGCN	1 MG	72500
D-Cycloserine		
239831-1GMCN	1 G	6030
239831-5GMCN	5 G	23110
DDMAB		
252000-5GMCN	5 G	19580
Deferoxamine Mesylate		
252750-1GMCN	1 G	14650
OmniPur™ 50X DENHARDTS solution.		
3610-50MLCN	50 ML	13000
Deoxycholic Acid, Sodium , ULTROL		
264103-5GMCN	5 G	10960
264103-25GMCN	25 G	42960
Deoxycholic Acid, Sodium Salt		
264101-25GMCN	25 G	4800
264101-100GMCN	100 G	9730
264101-1KGCN	1 KG	62660
264101-5KGCN	5 KG	POR
OmniPur™ DEPC		
3660-25GMCN	25 G	16270
Dermatan Sulfate, Porcine Intestinal M.		
263301-250MGCN	250 MG	50040
Desmosine		
263275-5MGCN	5 MG	23270
Detergent Variety Pack		
263458-1EACN	1 EA	20800
Dextran Sulfate, NA, MB Grade		
265152-10GMCN	10 G	7270
265152-50GMCN	50 G	20800
OmniPur™ Dextran Sulfate 50% solution Sterile		
3730-100MLCN	100 ML	25520
OmniPur™ Dextran Sulfate		
3710-50GMCN	50 G	19650
3712-1KGCN	1 KG	184190
D-Fructose-6-phosphate, Disodium Salt		
344342-1GMCN	1 G	14650
D-Galactose		
3455-100GMCN	100 G	9730
D-Gluconic Acid, Potassium Salt		
346125-100GMCN	100 G	7270

Catalog No.	Pack	Unit Price ₹
Diastase (from fungi) for biochemistry		
1.03604.0050	50 G	11860
Digitonin, High Purity		
300410-250MGCN	250 MG	12790
300410-1GMCN	1 G	46190
300410-5GMCN	5 G	205450
Dihydroethidium		
309800-25MGCN	25 MG	18340
Dihyronicotinamide adenine dinucleotide disodium salt for biochemistry NADH-Na2		
1.24644.0001	1 G	15000
1.24644.0005	5 G	43380
Dihyronicotinamide adenine dinucleotide phosphate tetrasodium salt for biochemistry NADPH-Na4		
1.24540.0050	50 MG	17670
1.24540.0250	250 MG	38660
Dihydrorhodamine 123		
309825-5MGCN	5 MG	34340
Dimethyl Sulfoxide		
317275-100MLCN	100 ML	3370
317275-500MLCN	500 ML	8590
OmniPur™ DIMETHYL SULFOXIDE		
2951-500MLCN	500 ML	9710
Dithioerythritol		
233152-5GMCN	5 G	15870
OmniPur™ DTE(DITHIOERYTHRITOL)		
3810-5GMCN	5 G	10410
1,4-Dithioerythritol for biochemistry		
1.24511.0005	5 G	13570
1.24511.0025	25 G	31020
OmniPur™ DTT(DITHIOTHREITOL)		
3860-5GMCN	5 G	6040
3870-25GMCN	25 G	24630
3890-1KGCN	1 KG	374590
1,4-Dithiothreitol for biochemistry		
1.11474.0001	1 G	4600
1.11474.0005	5 G	18580
1.11474.0025	25 G	46530
1.11474.0500	500 G	420530
DL-Alanine for biochemistry		
1.00963.0100	100 G	3740
1.00963.1000	1 KG	14410
DL-alpha-Tocopherol		
613420-50GMCN	50 G	6030
DL-Malic acid for biochemistry		
1.00382.0250	250 G	3930
1.00382.1000	1 KG	7010
DL-Phenylalanine for biochemistry		
1.07257.0025	25 G	13190
1.07257.0100	100 G	16720
D-Mannose		
4440-100GMCN	100 G	10960
D-Mannose-6-phosphate, Disodium Salt		
444100-50GMCN	50 MG	9730
DM-NITROPHEN Reagent, Tetrasodium Salt		
317210-5MGCN	5 MG	30650

Catalog No.	Pack	Unit Price ₹
OmniPur™ DNA EXTRACTION BUFFER		
3700-20LCN	20 L	31810
DNA, Sodium Salt, Calf Thymus		
2618-250MGCN	250 MG	8490
2618-1GMCN	1 G	25730
DNA, Sodium Salt, Salmon Testes		
262012-1GMCN	1 G	7270
262012-5GMCN	5 G	28190
DNase I, Bovine Pancreas		
260913-10MUCN	10 MU	21880
260913-25MUCN	25 MU	42800
OmniPur™ DNASE I 50,000 UNITS EA		
3750-1PCCN	1 PC	51970
OmniPur™ DNTP MIXTURE		
3640-1PCCN	1 PC	19580
Doxorubicin, HCl		
324380-10MGCN	10 MG	20820
EDTA 2Na DIHYDRATE MB GRADE		
324503-100GMCN	100 G	4620
EDTA, 0.5 M, pH 8.0, MBG,DEPC-Treated		
324506-100MLCN	100 ML	6030
EDTA, 2Na,Dihydrate, MB Grade		
324503-1KGCN	1 KG	19420
EDTA, 500 mM Soln, pH 8.0, ULTROL		
324504-500MLCN	500 ML	8490
EDTA, Tetrasodium Salt		
34103-500GMCN	500 G	8490
OmniPur™ EDTA DISODIUM 0.5M		
4055-100MLCN	100 ML	4180
4056-500MLCN	500 ML	11930
OmniPur™ EDTA		
4005-500GMCN	500 G	5010
4008-5KGCN	5 KG	45890
OmniPur™ EDTA-DISODIUM SALT		
4010-250GMCN	250 G	4420
4050-1KGCN	1 KG	12160
EGTA, MB Grade		
324626-25GMCN	25 G	11730
EGTA/AM		
324628-10MGCN	10 MG	25730
OmniPur™ EGTA		
4100-50GMCN	50 G	13100
Elastase Substrate VIII, Colorimetric		
03-32-0009-100MGCN	32	15870
ELUGENT Detergent, 50% Solution		
324707-100MLCN	100 ML	8490
EMPIGEN BB Detergent, 30% Solution		
324690-100MLCN	100 ML	11350
Erythromycin, Streptomyces erythreus		
329815-5GMCN	5 G	6030
329815-25GMCN	25 G	15870
Ethanol for molecular biology		
1.08543.0250	250 ML	2980
OmniPur™ ETHYL ALCOHOL		
4450-500MLCN	500 ML	8060
4455-4LCN	4 L	31090

Catalog No.	Pack	Unit Price ₹
Ethidium bromide (1% solution in water) for electrophoresis		
1.11608.0030	30 ML	5420
Ethidium Bromide Adsorber		
331569-1EACN	1 EA	12180
Ethidium bromide adsorber for decontamination of ethidium bromide from staining solutions		
1.02243.0001	1 UNIT	6280
Ethidium bromide for biochemistry		
1.11615.0001	1 G	4320
1.11615.0010	10 G	24230
OmniPur™ ETHIDIUM BROMIDE		
4310-1GMCN	1 G	3700
4340-5GMCN	5 G	11420
OmniPur™ ETHIDIUM BROMIDE SOL		
4410-10MLCN	10 ML	4130
Ethylene glycol monomethyl ether for amino acid analysis		
1.15118.1000	1 L	7100
1.15118.2500	2.5 L	7730
1.15118.9026	25 L	80800
OmniPur™ FAST GREEN FCF		
4510-50GMCN	50 G	16290
FICOLL 400 Reagent, MB Grade		
341691-25GMCN	25 G	15870
OmniPur™ FICOLL 400		
4550-50GMCN	50 G	30990
4555-500GMCN	500 G	POR
FLUO 3/AM		
343242-1MGCN	1 MG	36810
Folic acid for biochemistry		
1.03984.0005	5 G	2650
1.03984.0025	25 G	14310
Formaldehyde, MB Grade		
344198-250MLCN	250 ML	4540
Formamide		
344205-500MLCN	500 ML	9730
Formamide, MB Grade		
344206-100MLCN	100 ML	3430
344206-1LCN	1 L	22030
OmniPur™ FORMAMIDE, DEIONIZED		
4610-100MLCN	100 ML	3820
4650-500MLCN	500 ML	1958
4670-4LCN	4 L	38140
Formyl-Met-Leu-Phe-OH		
05-22-2500-25GMCN	22	4800
FSB		
344101-5GMCN	5 MG	28190
FURA 2/AM in Solution		
344906-1MLCN	1 ML	20800
Fura 2 LR (AM)		
344911-1SETCN	1 SET	29420
FURA 2/AM		
344905-250UGCN	250 UG	7270
344905-1MGCN	1 MG	20800
344905-5GMCN	5 MG	77430
344905-1SETCN	1 SET	25730

Catalog No.	Pack	Unit Price ₹
OmniPur G 418 Sulfate, Cell Culture Tested		
5.09290.0001	500 MG	8460
5.09290.0002	1 G	12090
5.09290.0003	5 G	31430
5.09290.0004	25 G	126910
5.09290.0005	100 G	273160
G 418 Sulfate, Cell Culture Tested		
345810-250GMCN	250 MG	6030
345810-500GMCN	500 MG	8350
345810-1GMCN	1 G	11510
345810-5GMCN	5 G	26640
345810-25GMCN	25 G	132890
345810-100GMCN	100 G	289930
G 418 Sulfate, Sterile-Filtered Aqueous Solution, CCT		
345812-10MLCN	10 ML	8590
345812-20MLCN	20 ML	15730
345812-50MLCN	50 ML	25420
OmniPur™ G418 Sulfate		
4700-1GMCN	1 G	14640
4705-5GMCN	5 G	55770
GENAPOL X-080, PROTEIN Gr. Det. 10% Soln		
345796-50MLCN	50 ML	12180
GENAPOL X-100, PROTEIN Gr. Det. 10% Soln		
345798-50MLCN	50 ML	17110
Gentamycin Sulfate		
345814-1GMCN	1 G	8490
Gentamycin Sulfate, Sterile-Filtered		
345815-20MLCN	20 ML	12950
OmniPur™ Gentamycin Sulfate		
4710-5GMCN	5 G	50830
4730-25GMCN	25 G	162700
Gluconolactone		
347425-500GMCN	500 G	8490
Glycerol		
356350-500MLCN	500 ML	6030
356350-1000MLCN	1000 ML	9730
Glycerol triacetate for biochemistry		
1.08238.0500	500 ML	11140
Glycerol, MB Grade		
356352-100MLCN	100 ML	4800
356352-1LCN	1 L	10960
OmniPur™ Glycerol		
4750-1LCN	1 L	8380
4760-4LCN	4 L	23510
Glycine buffer substance for electrophoresis		
1.04169.1000	1 KG	12110
Glycine GR for analysis		
1.04201.0100	100 G	1830
1.04201.0250	250 G	4720
1.04201.1000	1 KG	16040
1.04201.5000	5 KG	32350
1.04201.9025	25 KG	95090
Glycine, Free Base		
3570-1KGCN	1 KG	6030
3570-500GMCN	500 G	4800
Glycine, MB Grade		
357002-1KGCN	1 KG	7000

Catalog No.	Pack	Unit Price ₹
OmniPur™ GLYCINE		
4810-500GMCN	500 G	3460
4840-5KGCN	5 KG	34380
4860-25KGCN	25 KG	213700
4870-50KGCN	50 KG	POR
Glycocholic Acid, Sodium Salt		
360512-1GMCN	1 G	7270
360512-5GMCN	5 G	31890
Glycodeoxycholic Acid, Sodium Salt		
361311-5GMCN	5 G	18340
Glycogen, Molecular Biology Gr., Mussel		
361507-1MLCN	1 ML	23270
Glycylglycine buffer substance		
1.04233.0010	10 G	4660
1.04233.0100	100 G	15710
1.04233.1000	1 KG	119520
Glycylglycine, Free Base		
3630-100GMCN	100 G	10960
Glycyrrhizin, Ammonium Salt		
356780-5GMCN	5 G	8490
Glyphosine		
356790-5GMCN	5 G	13420
Guanidine HCl, ULTROL Grade		
369075-100GMCN	100 G	9730
369075-500GMCN	500 G	19580
369075-1KGCN	1 KG	33110
Guanidine Hydrochloride		
369079-1KGCN	1 KG	26960
369079-5KGCN	5 KG	98350
Guanidine, HCl, MB Grade		
369080-100GMCN	100 G	8490
369080-1KGCN	1 KG	42940
OmniPur™ Guanidine HCL		
5010-1KGCN	1 KG	20110
5030-5KGCN	5 KG	90750
5020-10KGCN	10 KG	157180
Guanidine Thiocyanate		
368975-100GMCN	100 G	8490
368975-500GMCN	500 G	36810
OmniPur™ Guanidine Isothiocyanate		
5120-250GMCN	250 G	7630
5140-1KGCN	1 KG	26960
5150-5KGCN	5 KG	176110
Guanidinium chloride for biochemistry		
1.04219.0025	25 G	9160
1.04219.0100	100 G	21470
1.04219.0500	500 G	45610
1.04219.9025	25 KG	1845840
Guanidinium chloride LAB		
1.04220.0100	100 G	6070
1.04220.1000	1 KG	16730
1.04220.5000	5 KG	73790
1.04220.9010	10 KG	212300
1.04220.9025	25 KG	457040
Guanidinium thiocyanate for biochemistry		
1.04167.0250	250 G	23460
Guanosine 5'-O-(2-Thiodiphosphate)		
371543-20GMCN	20 MG	24490

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Catalog No.	Pack	Unit Price ₹
Guanosine 5'-Triphosphate, Disodium Salt		
371701-50MGCN	50 MG	6030
371701-250MGCN	250 MG	24490
Guanylyl-5'-imidodiphosphate		
371565-25MGCN	25 MG	90970
H-Arg-Gly-Asp-Ser-OH		
03-34-0002-25MGCN	25 MG	14650
HECAMEG		
373272-5GMCN	5 G	26960
Hemin Chloride		
3741-5GMCN	5 G	10960
Heparin, Li, Porcine Intestinal Mucosa		
374858-100KUCN	100 KU	7270
Heparin, Na, Porcine Intestinal Mucosa		
375095-100KUCN	100 KU	7270
375095-500KUCN	500 KU	24490
Heparin, Porcine Intestinal Muc, Biotin		
375054-10MGCN	10 MG	17110
HEPES, Free Acid, MB Grade		
391340-25GMCN	25 G	3570
391340-250GMCN	250 G	24490
HEPES, Free Acid, ULTROL Grade		
391338-25GMCN	25 G	3570
391338-100GMCN	100 G	8490
391338-500GMCN	500 G	30650
391338-1KGCN	1 KG	49120
391338-5KGCN	5 KG	184530
391338-10KGCN	10 KG	POR
HEPES, Free Acid, ULTROL, 1M Soln		
375368-100MLCN	100 ML	12180
375368-500MLCN	500 ML	34340
HEPES, Sodium Salt, ULTROL Grade		
391333-100GMCN	100 G	10960
391333-500GMCN	500 G	35580
391333-1KGCN	1 KG	58960
OmniPur™ HEPES, FREE ACID		
5310-100GMCN	100 G	3530
5320-500GMCN	500 G	13520
5330-1KGCN	1 KG	23390
5340-5KGCN	5 KG	107590
OmniPur™ HEPES, SODIUM SALT		
5380-100GMCN	100 G	5940
5390-1KGCN	1 KG	46960
5400-5KGCN	5 KG	217520
H-Gly-Arg-Ala-Asp-Ser-Pro-OH		
03-34-0052-5MGCN	5 MG	7270
03-34-0052-25MGCN	25 MG	24490
H-Gly-Arg-Gly-Asp-Ser-OH		
03-34-0027-25MGCN	25 MG	31890
H-Gly-Arg-Gly-Asp-Ser-Pro-OH		
03-34-0035-5MGCN	5 MG	7270
03-34-0035-25MGCN	25 MG	26960
H-Gly-Arg-Gly-Asp-Thr-Pro-OH		
03-34-0055-5MGCN	5 MG	7270
H-Gly-Pro-Arg-Pro-OH		
03-34-0001-25MGCN	25 MG	14650

Catalog No.	Pack	Unit Price ₹
Histamine, Free Base		
3779-1GMCN	1 G	10800
3779-5GMCN	5 G	38030
HIV Reverse Transcriptase, Recomb.		
382129-500UCN	500 U	30650
HSA, 30% Aqueous Soln		
12667-50MLCN	50 ML	32960
HSA, Fraction V, High Purity		
126658-1GMCN	1 G	12180
126658-5GMCN	5 G	46510
HSA, Fraction V, Low Heavy Metals		
12666-1GMCN	1 G	5250
12666-10GMCN	10 G	31890
12666-100GMCN	100 G	182070
Human g-Globulin, Serum		
345886-5GMCN	5 G	34340
Human IgA, Plasma		
401098-2MGCN	2 MG	10960
Human IGD, Myeloma Plasma		
401164-100UGCN	100 UG	30650
Human IgG, Fab Fragment, Plasma		
401116-2MGCN	2 MG	34340
Human IgG, Fc Fragment, Plasma		
401104-5MGCN	5 MG	29420
Human IgG, Plasma		
401114-10MGCN	10 MG	10960
Human IgM, Plasma		
401799-1MGCN	1 MG	10960
Hyaluronic Acid, Bov. Trach, Fluor-Label		
385906-10MGCN	10 MG	36500
Hyaluronic Acid, Sodium		
385908-500MGCN	500 MG	24030
OmniPur™ HYALURONIDASE		
HX0514-1CN	50000 UN	12250
Hydrogen Peroxide		
386790-100MLCN	100 ML	4800
386790-500MLCN	500 ML	14650
Hygromycin B In PBS, Cell Culture Tested		
400052-5MLCN	5 ML	8900
400052-20MLCN	20 ML	19420
400052-50MLCN	50 ML	36650
Hygromycin B solution for biochemistry		
1.03740.0002	2 ML	34460
Hygromycin B, In 25 mM HEPES, CCT		
400053-5MLCN	5 ML	4800
400053-20MLCN	20 ML	17110
Hygromycin B, Streptomyces sp.		
400051-100KUCN	100 KU	6030
400051-1MUCN	1 MU	18340
400051-5MUCN	5 MU	67580
400051-10MUCN	10 MU	121590
Hygromycin B, Streptomyces sp., CCT		
400050-100MGCN	100 MG	4800
400050-500MGCN	500 MG	20800
400050-1GMCN	1 G	29420
400050-5GMCN	5 G	106970
OmniPur™ HYGROMYCIN B 50MG/ML		
4265-20MLCN	20 ML	57420

Catalog No.	Pack	Unit Price ₹
OmniPur™ HYGROMYCIN B, HPLC		
4260-100GMCN	100 G	19580
Hypoxanthine		
4010CBC-25GMCN	25 G	6030
Imidazole buffer substance ACS		
1.04716.0050	50 G	4870
1.04716.0250	250 G	13040
1.04716.1000	1 KG	38820
Imidazole, ULTROL Grade		
4015-25GMCN	25 G	15870
4015-100GMCN	100 G	44040
OmniPur™ imidazole		
5710-50GMCN	50 G	4950
5720-500GMCN	500 G	9870
INDO 1/AM		
402096-1MGCN	1 MG	20800
Indole-3-acetic acid LAB		
1.00353.0010	10 G	5390
1.00353.0100	100 G	25030
Indole-3-butyric acid LAB		
1.00354.0005	5 G	7190
1.00354.0025	25 G	15330
1.00354.0100	100 G	42070
Indole-3-butyric acid LAB		
1.00354.0500	500 G	288020
Inosine		
4060-50GMCN	50 G	10960
Ionomycin, Free acid in solution		
239765-1MLCN	1 ML	8490
InSolution(TM) Sinefungin		
407951-1MGCN	1 MG	13420
InSolution(TM) Sinefungin		
567051-2MGCN	2 MG	20800
IPTG, Animal-Free, High Purity		
420291-1GMCN	1 G	7270
420291-5GMCN	5 G	18840
IPTG, Dioxane-Free, High Purity		
420322-1GMCN	1 G	6340
420322-5GMCN	5 G	16670
420322-10GMCN	10 G	21210
420322-25GMCN	25 G	47280
420322-100GMCN	100 G	122030
420322-500GMCN	500 G	258380
IPTG, Hemidioxane Adduct		
420290-5GMCN	5 G	21880
OmniPur™ IPTG		
5800-1GMCN	1 G	2690
5810-5GMCN	5 G	5200
5815-25GMCN	25 G	20800
5820-100GMCN	100 G	74400
IPTG, Animal-Free, High Purity		
420291-100GMCN	100 G	POR
Iron Chelator, Dp44mT		
412520-25MGCN	25 MG	25730
JC-1 5,5', 6,6'-TETRACHLORO-1,1',3,3'-...		
420200-5MGCN	5 MG	34340

Catalog No.	Pack	Unit Price ₹
K Phosphate, Dibasic, 3H ₂ O, MB Grade		
529567-250GMCN	250 G	6030
529567-1KGCN	1 KG	16670
Kanamycin Sulfate, Streptomyces kanamyceticus		
420311-5GMCN	5 G	7000
420311-25GMCN	25 G	28310
420311-500GMCN	500 G	175910
Kanamycin Sulfate, S. kanamyceticus, CCT		
420411-5GMCN	5 G	8490
420411-25GMCN	25 G	33110
OmniPur™ Kanamycin Sulfate		
5880-10GMCN	10 G	21220
Kanamycin disulfate for biochemistry		
1.05177.0005	5 G	4730
1.05177.0025	25 G	15990
Ketoconazole		
420600-50MGCN	50 MG	10960
L(-)Sorbitose		
567692-250GMCN	250 G	31890
567692-1KGCN	1 KG	121750
L(+)Arabinose		
178680-25GMCN	25 G	4800
178680-100GMCN	100 G	15870
L(+)-Rhamnose monohydrate for biochemistry		
1.07361.0010	10 G	8560
1.07361.0025	25 G	17280
Lactose monohydrate for biochemistry		
1.07660.0250	250 G	3270
1.07660.1000	1 KG	10250
Lactulose		
427584-50GMCN	50 G	12180
L-Alanine		
1250-100GMCN	100 G	7270
L-Alanine for biochemistry		
1.01007.0025	25 G	3930
1.01007.0100	100 G	9800
1.01007.1000	1 KG	68320
1.01007.9010	10 KG	403370
Laminin Nonapeptide		
05-23-3703-1MGCN	1 MG	8490
05-23-3703-5MGCN	5 MG	30650
L-Arginine for biochemistry		
1.01542.0100	100 G	5100
1.01542.1000	1 KG	54540
1.01542.9010	10 KG	266560
L-Arginine monohydrochloride for biochemistry		
1.01543.0050	50 G	4330
1.01543.0250	250 G	16270
1.01543.1000	1 KG	60650
1.01543.9010	10 KG	275990
L-Arginine, Free Base		
1820-100GMCN	100 G	8490
L-Arginine, HCl		
181003-50GMCN	50 G	6030
181003-1KGCN	1 KG	36810
181003-250GMCN	250 G	10960

Catalog No.	Pack	Unit Price ₹
L-Ascorbic Acid, Free Acid		
1831-1KGCN	1 KG	14650
L-Asparagine monohydrate for biochemistry		
1.01566.0100	100 G	7320
1.01566.1000	1 KG	49620
1.01566.9010	10 KG	311370
L-Aspartic acid for biochemistry		
1.00126.0100	100 G	3280
1.00126.1000	1 KG	16930
1.00126.9010	10 KG	120300
L-Aspartic Acid Monosodium Salt Monohydrate for CCM		
1.00142.1000	1 pk	28960
OmniPur™ L-Aspartic Acid		
B37022-44CN	5 KG	POR
Lauroylsarcosine, Sodium Salt		
428010-5GMCN	5 G	22030
L-Citrulline for biochemistry		
1.12117.0050	50 G	15720
1.12117.0250	250 G	40620
L-Cysteine for biochemistry		
1.02838.0025	25 G	4430
1.02838.0100	100 G	9240
1.02838.1000	1 KG	60280
1.02838.9010	10 KG	528390
L-Cysteine hydrochloride monohydrate for biochemistry		
1.02839.0025	25 G	3880
1.02839.0100	100 G	7230
1.02839.1000	1 KG	40290
1.02839.9010	10 KG	332610
L-Cysteine, Free Base		
243005-25GMCN	25 G	3570
243005-100GMCN	100 G	15870
243005-1KGCN	1 KG	50340
L-Cysteine, HCl		
2430-100GMCN	100 G	7270
2430-1KGCN	1 KG	30650
L-Cystine		
2470-25GMCN	25 G	4800
L-Cystine for biochemistry		
1.02837.0025	25 G	3340
1.02837.0100	100 G	5020
1.02837.1000	1 KG	27620
1.02837.9010	10 KG	382140
Lectin, PHA-L, Phaseolus vulgaris		
431784-5MGCN	5 MG	18340
Lectin, Wheat Germ, Triticum vulgaris		
681816-5MGCN	5 MG	7270
Lewis x Trisaccharide		
434630-1MGCN	1 MG	14650
L-Glutamic acid for biochemistry		
1.00291.0250	250 G	9120
1.00291.1000	1 KG	25660
1.00291.9010	10 KG	161580

Catalog No.	Pack	Unit Price ₹
L-Glutamine for biochemistry		
1.00289.0025	25 G	3660
1.00289.0100	100 G	9570
1.00289.1000	1 KG	43150
1.00289.9010	10 KG	391570
L-Histidine for biochemistry		
1.04351.0025	25 G	4930
1.04351.0100	100 G	12110
1.04351.1000	1 KG	85850
1.04351.9010	10 KG	646340
L-Histidine monohydrochloride monohydrate for biochemistry		
1.04350.0025	25 G	5240
1.04350.0100	100 G	9810
1.04350.0500	500 G	36150
1.04350.9010	10 KG	500080
L-Histidine, Free Base		
3810-100GMCN	100 G	8490
OmniPur™ L-HISTIDINE		
5450-5KGCN	5 KG	236230
L-Hydroxyproline for biochemistry		
1.04506.0010	10 G	7200
1.04506.0100	100 G	25820
L-Isoleucine		
4160-100GMCN	100 G	14650
L-Isoleucine for biochemistry		
1.05362.0025	25 G	7790
1.05362.0100	100 G	23000
1.05362.0500	500 G	64610
1.05362.9010	10 KG	1349290
Lithium Chloride, MB Grade		
438002-50GMCN	50 G	3570
438002-250GMCN	250 G	6030
OmniPur™ Lithium Chloride		
5910-500GMCN	500 G	8700
OmniPur™ Lithium Chloride		
5922-500MLCN	500 ML	8610
L-Leucine		
4330-100GMCN	100 G	7270
L-Leucine for biochemistry		
1.05360.0025	25 G	3970
1.05360.0250	250 G	17440
1.05360.9010	10 KG	434030
L-Lysine monohydrate for biochemistry		
1.12233.0100	100 G	20680
1.12233.1000	1 KG	73240
L-Lysine monohydrochloride for biochemistry		
1.05700.0100	100 G	3120
1.05700.1000	1 KG	19470
1.05700.9010	10 KG	108510
L-Lysine, HCl		
4400-100GMCN	100 G	3570
4400-1KGCN	1 KG	10960
L-Methionine		
4500-100GMCN	100 G	6030

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Catalog No.	Pack	Unit Price ₹
L-Methionine for biochemistry		
1.05707.0025	25 G	4180
1.05707.0100	100 G	7780
1.05707.1000	1 KG	44910
1.05707.9010	10 KG	253200
L-Ornithine monohydrochloride for biochemistry		
1.06906.0025	25 G	4270
1.06906.0100	100 G	17080
1.06906.1000	1 KG	58840
1.06906.9010	10 KG	540190
LPD-12		
437600-1MGCN	1 MG	28190
L-Phenylalanine		
5202-100GMCN	100 G	8490
L-Phenylalanine for biochemistry		
1.07256.0025	25 G	3590
1.07256.0100	100 G	10680
1.07256.1000	1 KG	101630
1.07256.9010	10 KG	561410
L-Proline		
5370-100GMCN	100 G	8490
L-Proline for biochemistry		
1.07434.0010	10 G	3450
1.07434.0100	100 G	13170
1.07434.0500	500 G	48620
1.07434.9010	10 KG	889300
L-Selenomethionine		
561505-250MGCN	250 MG	20800
561505-1MGCN	1 G	42960
561505-10MGCN	10 G	POR
L-Serine		
5650-100GMCN	100 G	8490
L-Serine for biochemistry		
1.07769.0010	10 G	3360
1.07769.0100	100 G	17860
1.07769.1000	1 KG	82430
1.07769.9010	10 KG	757210
L-Threonine for biochemistry		
1.08411.0010	10 G	3890
1.08411.0100	100 G	20590
1.08411.1000	1 KG	81520
1.08411.9010	10 KG	776070
L-Tryptophan		
6540-100GMCN	100 G	10960
L-Tryptophan for biochemistry		
1.08374.0010	10 G	3370
1.08374.0100	100 G	13240
1.08374.0500	500 G	60280
1.08374.9010	10 KG	1080370
L-Tyrosine for biochemistry		
1.08371.0025	25 G	4350
1.08371.0100	100 G	7140
1.08371.1000	1 KG	55190
1.08371.9010	10 KG	323160
L-Tyrosine, Free Base		
6570-100GMCN	100 G	6030

Catalog No.	Pack	Unit Price ₹
L-Valine for biochemistry		
1.08495.0025	25 G	4150
1.08495.0100	100 G	9860
1.08495.1000	1 KG	58770
1.08495.9010	10 KG	412810
Lysozyme, Chicken egg white		
4403-1MGCN	1 G	3370
4403-5MGCN	5 G	18340
OmniPur™ lysozyme, egg white		
5950-5MGCN	5 G	24510
5960-10MGCN	10 G	34380
5975-1KGCN	1 KG	POR
Lysozyme, Human Neutrophil		
440345-1MGCN	1 MG	61430
MACERASE Pectinase, Rhizopus sp.		
441201-10KUCN	10 KU	12180
441201-50KUCN	50 KU	46650
Magnesium Chloride, 6H ₂ O, MB Grade		
442611-100GMCN	100 G	3570
442611-500GMCN	500 G	6030
Magnesium Chloride, Hexahydrate		
442615-500GMCN	500 G	6030
OmniPur™ Magnesium Chloride 1M Sol		
5985-100MLCN	100 ML	4820
OmniPur™ MAGNESIUM CHLORIDE		
5980-500GMCN	500 G	6020
5982-5KGCN	5 KG	39980
MagPrep® Silica HS		
1.01899.0001	1 ML	9790
MagPrep® Silica MS		
1.01644.0001	1 ML	9790
MagPrep® Silica Particles		
1.01193.0001	1 ML	5340
OmniPur™ MALEIC ACID		
MX0100-20CN	50 KG	246610
Maltose monohydrate for biochemistry		
1.05912.0025	25 G	11180
1.05912.0100	100 G	19790
OmniPur™ Maltose Monohydrate		
MX0160-1CN	100 G	9710
MX0160-7CN	1 KG	21220
MX0160-20CN	10 KG	189030
Maltotriose		
443713-5MGCN	5 G	30650
Mastoparan		
444898-1MGCN	1 MG	17110
Melibiose monohydrate for biochemistry		
1.12240.0005	5 G	8860
1.12240.0025	25 G	17380
Melittin		
444605-250UGCN	250 UG	9730
b-Mercaptoethanol, MB Grade		
444203-250MLCN	250 ML	7000
OmniPur™ 2-Mercaptoethanol		
6010-100MLCN	100 ML	8060
6050-250MLCN	250 ML	9710

Catalog No.	Pack	Unit Price ₹
MES, Free Acid, ULTROL Grade		
475893-100GMCN	100 G	8490
475893-1KGCN	1 KG	57740
475893-500GMCN	500 G	38030
MES, Sodium Salt, ULTROL Grade		
475894-100GMCN	100 G	10960
475894-1KGCN	1 KG	67580
OmniPur™ MES		
6110-100GMCN	100 G	7020
6120-1KGCN	1 KG	41630
6150-25KGCN	25 KG	532100
MES(2-Morpholinoethanesulfonic acid monohydrate buffer substance MES)		
1.06126.0025	25 G	5320
1.06126.0250	250 G	30290
1.06126.1000	1 KG	85500
1.06126.9010	10 KG	645000
MES, Free Acid, ULTROL Grade		
475893-10KGCN	10 KG	POR
MES Na[2-Morpholinoethanesulfonic acid sodium salt (MES Na) buffer substance]		
1.06197.0100	100 G	7650
1.06197.1000	1 KG	70760
OmniPur™ Methylene Blue Trihydrate		
6210-100GMCN	100 G	9540
Mitomycin C, S. caespitosus		
475820-10MGCN	10 MG	17110
Mitomycin C, Streptomyces caespitosus		
47589-2MGCN	2 MG	18340
MOPS, Free Acid, MB Grade		
475922-100GMCN	100 G	8490
MOPS, Free Acid, ULTROL Grade		
475898-100GMCN	100 G	9570
475898-500GMCN	500 G	31730
475898-1KGCN	1 KG	46510
MOPS, Sodium Salt, ULTROL Grade		
475899-100GMCN	100 G	12040
475899-1KGCN	1 KG	61590
MOPS, Free Acid, ULTROL Grade		
475898-10KGCN	10 KG	POR
MOPS/EDTA Buffer, 10X Liquid Concentrate		
475916-100MLCN	100 ML	9570
OmniPur™ MOPS		
6310-100GMCN	100 G	6080
6320-1KGCN	1 KG	25260
6340-25KGCN	25 KG	450240
OmniPur™ 10X MOPS CONC solution		
6350-500MLCN	500 ML	11330
Mouse IgG, Serum		
401111-5MGCN	5 MG	14650
Mouse IgG1, Myeloma		
401122-1MGCN	1 MG	28190
Mouse IgG2a, Myeloma		
401123-1MGCN	1 MG	29420
MTT		
475989-1MGCN	1 G	8170
475989-10MGCN	10 G	64480

Catalog No.	Pack	Unit Price ₹
Mucin, Bovine Submaxillary Gland 499643-500MGCN	500 MG	24490
myo-Inositol for biochemistry		
1.04507.0050	50 G	4260
1.04507.0250	250 G	8710
N-(2-Acetamido)-2-aminoethanesulfonic acid buffer substance ACES		
1.15226.0025	25 G	4850
1.15226.0250	250 G	39840
1.15226.9010	10 KG	1464870
N-(2-Acetamido)-iminodiacetic acid buffer substance ADA		
1.15227.9010	10 KG	1705480
N(G)-Hydroxy-L-arginine, Monoacetate 399250-5MGCN	5 MG	14650
N(w)-Hydroxy-nor-L-arginine, Diacetate 399275-1MGCN	1 MG	4800
399275-5MGCN	5 MG	12180
N,N-Bis(2-hydroxyethyl) glycine (BICINE) buffer substance		
1.01910.0025	25 G	9330
1.01910.0250	250 G	23080
1.01910.9010	10 KG	679360
N,N-Bis(2-hydroxyethyl)-2-aminoethanesulfonic acid buffer substance BES		
1.15228.0025	25 G	7070
1.15228.0250	250 G	44500
1.15228.9010	10 KG	1129910
N,N'-Methylenabisacrylamide for electrophoresis, special grade for molecular biology		
1.01546.0100	100 G	10910
N,N'-Methylenabisacrylamide ready-to-use solution "BIS" 2% for electrophoresis		
1.06062.1000	1 L	5860
OmniPur™ METHYLENE BIS Acrylamide 2610-25MGCN	25 G	3340
2620-100MGCN	100 G	7630
N,N'-Methylenediacrylamide for electrophoresis		
1.10897.0050	50 G	2560
1.10897.0100	100 G	6450
N-[Tris(hydroxymethyl)-methyl]-2- aminoethanesulfonic acid Buffer substance TES		
1.10695.0025	25 G	8130
1.10695.0250	250 G	38920
1.10695.9010	10 KG	1420050
N-[Tris(hydroxymethyl)methyl]-3- aminopropanesulfonic acid buffer substance TAPS		
1.08320.0025	25 G	4700
1.08320.0250	250 G	17560
N-[Tris(hydroxymethyl)methyl]glycine buffer substance TRICIN		
1.08602.0025	25 G	5240
1.08602.0250	250 G	22610
1.08602.9010	10 KG	948270
N6-Benzyladenine for biochemistry		
1.01701.0005	5 G	11070
1.01701.0025	25 G	32370

Catalog No.	Pack	Unit Price ₹
Na Phosphate, Monobasic, H ₂ O, MB Grade 567549-250MGCN	250 G	6030
567549-1KGCN	1 KG	18340
N-Acetyl-a-D-glucosamine 1079-25MGCN	25 G	6030
N-Acetylactosamine 345250-20MGCN	20 MG	27880
N-Acetyl-L-cysteine 106425-5MGCN	5 G	5810
N-Acetyl-L-cysteine for biochemistry		
1.12422.0025	25 G	3890
1.12422.0100	100 G	12240
1.12422.1000	1 KG	70110
1.12422.9010	10 KG	643980
N-Acetylneuraminic Acid 2,3-Dehydrodeoxy 252926-10MGCN	10 MG	22030
N-Acetylneuraminic Acid, Synthetic 110138-1MGCN	1 G	14650
NAD, Free Acid 481911-5MGCN	5 G	23270
481911-10MGCN	10 G	39270
NAD, Lithium Salt 481915-1MGCN	1 G	8490
NADH, Disodium Salt 481913-500MGCN	500 MG	7270
481913-1GMCN	1 G	10960
NADP, Disodium Salt 481972-100MGCN	100 MG	6030
481972-1GMCN	1 G	38630
NADP, Monosodium Salt 481971-100MGCN	100 MG	6030
481971-500MGCN	500 MG	19580
481971-1GMCN	1 G	30650
481971-5GMCN	5 G	99590
NADPH, Tetrasodium Salt 481973-25MGCN	25 MG	7270
481973-50MGCN	50 MG	9730
481973-100MGCN	100 MG	14650
481973-500MGCN	500 MG	51580
481973-1GMCN	1 G	87280
n-Decanoysucrose 252721-1GMCN	1 G	15870
252721-5GMCN	5 G	49120
n-Decyl-b-D-maltopyranoside, ULTROL 252718-1GMCN	1 G	19580
252718-5GMCN	5 G	56500
n-Dodecanoysucrose 324374-5GMCN	5 G	42340
n-Dodecyl-b-D-glucopyranoside 324351-1GMCN	1 G	15870
n-Dodecyl-b-D-maltoside, ULTROL Grade 324355-1GMCN	1 G	12180
324355-5GMCN	5 G	48960
324355-25MGCN	25 G	183450
324355-100MGCN	100 G	269920
NDSB Set 480012-1SETCN	1 SET	30650

Catalog No.	Pack	Unit Price ₹
NDSB-195 480001-5GMCN	5 G	10960
480001-25GMCN	25 G	39270
NDSB-201 480005-25GMCN	25 G	6030
480005-250GMCN	250 G	30650
NDSB-256 480010-5GMCN	5 G	10960
480010-25GMCN	25 G	39270
Neomycin Sulfate 4801-25GMCN	25 G	4800
Neomycin sulfate for biochemistry 1.06254.0100	100 G	16500
Neomycin Sulfate, Tissue Culture Gr. 480100-20MLCN	20 ML	8490
N-Glycolylneuraminic Acid 362000-10MGCN	10 MG	26960
Nicotinamide 481907-100GMCN	100 G	4800
Nicotinamide adenine dinucleotide free acid for biochemistry NAD		
1.24542.0001	1 G	7450
1.24542.0005	5 G	27760
1.24542.0025	25 G	104060
Nicotinamide adenine dinucleotide phosphate disodium salt for biochemistry NADP-Na ₂		
1.24541.0001	1 G	59470
Nicotinic Acid 481918-100GMCN	100 G	4800
OmniPur™ NINHYDRIN GR NX0403-2CN	10 G	16290
NX0403-6CN	1 KG	369990
n-Nonyl-b-D-glucopyranoside 488285-1GMCN	1 G	18340
OmniPur™ Nonfat Powdered Milk 6250-10GMCN	10 G	17930
n-Octanoysucrose 494466-5GMCN	5 G	29420
n-Octyl-b-D-glucopyranoside 494459-1GMCN	1 G	7270
494459-5GMCN	5 G	30490
494459-25GMCN	25 G	88500
494459-100GMCN	100 G	220230
494459-500GMCN	500 G	POR
n-Octyl-b-D-glucopyranoside, ULTROL 494460-250MGCN	250 MG	7270
494460-1GMCN	1 G	25730
494460-5GMCN	5 G	84810
n-Octyl-b-D-thioglucopyranoside, ULTROL 494461-5GMCN	5 G	31890
NP-40 Alternative 492016-100MLCN	100 ML	4800
492016-500MLCN	500 ML	15870
492016-1000MLCN	1000 ML	28190
NP-40 Alternative, PROTEIN Gr. 10% Soln 492018-50MLCN	50 ML	9730
492018-500MLCN	500 ML	71280

■ Biochemicals from Merck KGaA (Germany)

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Catalog No.	Pack	Unit Price ₹
Nuclease, <i>Staphylococcus aureus</i> 492899-15KUCN	15 KU	20800
Nystatin, <i>S. noursei</i> , Sterile, TC Gr. 475921-50MGCN	50 MG	4800
OmniPur™ OLEIC ACID OX0165-4CN	1 L	13000
Oxalacetic Acid 5000-5GMCN	5 G	6030
Oxytetracycline, Hydrochloride 500105-10GMCN	10 G	3570
500105-100GMCN	100 G	15870
OmniPur™ Pancreatin Powder PX0040-1CN	1	29450
Papain (from <i>Carica papaya</i>) water-soluble 30000 USP-U/mg for biochemistry EC 3.4.22.2 1.07144.0025	25 G	4900
Paromomycin Sulfate 512731-5GMCN	5 G	10960
PBS Tablets 524650-1EACN	1 EA	5700
OmniPur™ PBS TABLETS 200/PK 6501-200TABCN	200 TAB	13550
OmniPur™ 10X PBS LIQUID CONC 6506-1LCN	1 L	5370
6505-4LCN	4 L	7770
6504-20LCN	20 L	44130
OmniPur™ 10XPBS LIQUID CONC 6507-4LCN	4 L	21040
PBS-TWEEN Tablets 524653-1EACN	1 EA	7270
Pefabloc® SC (4-(2-Aminoethyl)-benzolsulfonylfluorid-hydrochloride) (AEBSF) for biochemistry 1.24839.0100	100 MG	5630
1.24839.0500	500 MG	20540
PEG 1000 528875-25GMCN	25 G	6030
PEG 6000, MB Grade 528877-100GMCN	100 G	4210
528877-1KGCN	1 KG	13850
OmniPur™ PEG 8000 6510-1KGCN	1 KG	4870
6520-5KGCN	5 KG	19600
Pen/Strept/Ampho B Soln. (100X) TC Gr. 516104-20MLCN	20 ML	4800
Penciclovir 516090-100GMCN	100 MG	15870
Penicillin G, Potassium Salt 5161-25MUCN	25 MU	4800
5161-100MUCN	100 MU	10960
Penicillin/Streptomycin, 100X, TC Grade 516106-20MLCN	20 ML	4800
Pepsin (from porcine gastric mucosa) 0.7 FIP-U/ mg for biochemistry EC 3.4.23.1 1.07185.0100	100 G	8010

Catalog No.	Pack	Unit Price ₹
Pepsin (from porcine gastric mucosa) cryst. lyophilized 10 FIP-U/mg for biochemistry EC 3.4.23.1 1.07192.0001	1 G	19130
OmniPur™ PEPSIN POWDER PX0390-1CN	500 G	34380
Peroxidase (from horse radish) 10000 U/vial for biochemistry EC 1.11.1.7 1.16216.0001	1 VIAL	8320
Peroxidase, Horseradish 516531-5KUCN	5 KU	7270
516531-25KUCN	25 KU	31890
Phenol, MB Grade 516724-100GMCN	100 G	7270
516724-500GMCN	500 G	17110
OmniPur™ PHENOL,2X DISTILLED 6610-100GMCN	100 G	11350
6650-500GMCN	500 G	26160
OmniPur™ PHENOL,SATURATED 6705-100MLCN	100 ML	9710
6710-400MLCN	400 ML	21220
OmniPur™ PHENOL,SATURATED 6702-400MLCN	400 ML	24510
Phenol/Chloroform/Isoamyl Alcohol 516726-1SETCN	1 SET	20650
OmniPur™ Phenol Chloroform 6820-100MLCN	100 ML	7420
OmniPur™ Pheno Chloropgorm 6800-100MLCN	100 ML	9710
OmniPur™ Pheno Chloropgorm 6802-400MLCN	400 ML	29450
OmniPur™ Phenol:Chloropgorm:Isoamyl alcohol 25:24:1 6805-100MLCN	100 ML	7630
6810-400MLCN	400 ML	14310
OmniPur™ Phenylmethyl Sulfonyl Fluoride (PMSF) 7110-5GMCN	5 G	5050
7130-250GMCN	250 G	144700
Phorbol-12,13-dibutyrate 524390-1MGCN	1 MG	7270
524390-5MGCN	5 MG	22030
Phthaldialdehyde for fluorometry 1.11452.0005	5 G	12890
1.11452.0050	50 G	65000
PIH 528110-50MGCN	50 MG	17110
Pimaricin for biochemistry 1.07360.0001	1 G	14020
Pimaricin, <i>Streptomyces chattanoogaensis</i> 527962-100GMCN	100 MG	22030
527962-1MGCN	1 G	118060
Piperazine-1,4-bis(2-ethanesulfonic acid) buffer substance PIPES 1.10220.0025	25 G	5760
1.10220.0250	250 G	41800
1.10220.1000	1 KG	77190
1.10220.9010	10 KG	363000

Catalog No.	Pack	Unit Price ₹
PIPES, Free Acid, ULTROL Grade 528131-100GMCN	100 G	10960
OmniPur™ Pipes, Sodium Salt 6910-250GMCN	250 G	19650
6912-1KGCN	1 KG	53790
Piperazine-1,4-bis(propanesulfonic acid) (PIPPS) buffer substance 1.06194.0100	100 G	13630
1.06194.1000	1 KG	127900
PIPPS 528315-100GMCN	100 G	26960
Platelet Membrane Glycoproteins, IIb/IIIa 528240-1MGCN	1 MG	53890
Platensimycin, <i>Streptomyces</i> sp. 528244-250UGCN	250 UG	31890
PLURONIC F-127, PROTEIN Gr. 10% Solution 540025-50MLCN	50 ML	19580
p-Nitrophenyl Phosphate 487663-10MLCN	10 ML	13420
OmniPur™ PNPP DISODIUM HEXAHY 6536-100GMCN	100 G	POR
Polyinosinic Acid.Polycytidylic Acid 528906-10MGCN	10 MG	8490
Polymyxin B Sulfate 5291-500GMCN	500 MG	4800
5291-1MGCN	1 G	8490
5291-5GMCN	5 G	35580
Polymyxin B Sulfate, Sterile-Filtered 420413-20MLCN	20 ML	30350
Polyoxin D, <i>Streptomyces cacaioi</i> var. aso 529313-1MGCN	1 MG	19580
Polyvinylpyrrolidone 5295-100GMCN	100 G	4800
Ponceau S (C.I. 27195) for electrophoresis 1.14275.0010	10 G	3610
Potassium Acetate, MB Grade 529543-250GMCN	250 G	4620
529543-1KGCN	1 KG	12790
Potassium Chloride, MB Grade 529552-250GMCN	250 G	4210
529552-1KGCN	1 KG	7270
OmniPur™ Potassium Chloride 7300-500GMCN	500 G	3510
7320-5KGCN	5 KG	22930
Potassium Phosphate, Monobasic, MB Grade 529568-250GMCN	250 G	4800
529568-1KGCN	1 KG	10960
Prealbumin, Human Plasma 529577-1MGCN	1 MG	22030
OmniPur™ Precipitation solution 7280-20LCN	20 L	119930
Prionex Reagent 529600-100MLCN	100 ML	30650
Pronase E (from <i>Streptomyces griseus</i>) 4,000,000 PU/g for biochemistry EC 3.4.24.4 1.07433.0001	1 G	20340
1.07433.0005	5 G	83900

Catalog No.	Pack	Unit Price ₹
OmniPur™ PRONASE E 70000 7433-2CN	1 G	39320
Propidium Iodide 537059-50GMCN	50 MG	9730
537059-100GMCN	100 MG	17110
537059-250GMCN	250 MG	40500
537059-1GMCN	1 G	137750
Propidium Iodide Solution 537060-5MLCN	5 ML	10650
Protamine sulfate for biochemistry 1.10123.0005	5 G	11370
1.10123.0025	25 G	17140
OmniPur™ Protein Mw Marker Wide Range 7331-500ULCN	500 UL	26160
Protein C, Activated, Human Plasma 539218-10UGCN	10 UG	39270
Protein C, Human Plasma 539215-100UGCN	100 UG	38030
Protein S, Human Plasma 539406-100UGCN	100 UG	20800
Proteinase K (from Tritirachium album) chromatographically purified lyophilized 30 mAnson-U/mg for biochemistry and molecular biology EC 3.4.21.14 1.24568.0100	100 MG	7470
1.24568.0500	500 MG	27530
1.24568.0010	10 G	373090
Proteinase K (from Tritirachium album) solution in Tris/HCl pH 7.5; 0.01 mol/l; 600 mAnson-U/ ml; for molecular biology EC 3.4.21.14 1.07393.0010	10 ML	17080
Puromycin, DiHCl 540222-25MGCN	25 MG	6340
540222-100MGCN	100 MG	20800
Puromycin, DiHCl, Cell Culture-Tested 540411-25MGCN	25 MG	8350
540411-100MGCN	100 MG	23110
Pyridoxal, Hydrochloride 545060-25GMCN	25 G	20800
Pyridoxamine, Dihydrochloride 545068-5GMCN	5 G	19580
Pyruvic acid sodium salt for biochemistry 1.06619.0050	50 G	6600
1.06619.0250	250 G	19660
1.06619.1000	1 KG	87250
QUIN 2, Tetrapotassium Salt 551826-50GMCN	50 MG	42500
Rabbit g-Globulin, Serum 345991-5GMCN	5 G	36810
Rabbit IgG, Plasma 401590-50GMCN	50 MG	17110
Radicicol, Diheterospora chlamydosporia 553400-500UGCN	500 UG	10960
Raffinose pentahydrate for biochemistry 1.07419.0050	50 G	15510
RAPIDstain Reagent 553215-1LCN	1 L	17110

Catalog No.	Pack	Unit Price ₹
Ribavirin 555580-10MGCN	10 MG	7270
Riboflavin 555682-10GMCN	10 G	3570
OmniPur™ Riboflavin 7370-250GMCN	250 G	19570
Riboflavine for biochemistry 1.07609.0010	10 G	3110
1.07609.0100	100 G	19260
Ribonucleic Acid, Yeast 55714-250MGCN	250 MG	18190
55714-1GMCN	1 G	62660
Rifampicin 557303-1GMCN	1 G	8490
557303-5GMCN	5 G	34340
OmniPur™ Rnase Inhibitor 7480-2KUCN	2 KU	17930
Saponin 558255-100GMCN	100 G	7270
SDS Tablets 428029-1EACN	1 EA	4800
SDS, 20% Solution (w/v) 428018-200MLCN	200 ML	8490
SDS, MB Grade 428023-50GMCN	50 G	4800
428023-500GMCN	500 G	31890
OmniPur™ SDS Solution 20% 7991-1LCN	1 L	14460
OmniPur™ Sodium Dodecyl Sulfate(SDS) 7990-200MLCN	200 ML	4250
OmniPur™ Sodium Dodecyl Sulfate(SDS) 7910-500GMCN	500 G	8940
7960-5KGCN	5 KG	197250
SDS(Dodecyl sulfate sodium salt)for biochemistry 10% in H2O 1.06022.1000	1 L	5960
SDS(Dodecyl sulfate sodium salt) for biochemistry and surfactant tests 1.12533.0050	50 G	3440
1.12533.0250	250 G	13420
1.12533.1000	1 KG	35470
SDS(Dodecyl sulfate sodium salt)LAB 1.13760.0100	100 G	5320
1.13760.1000	1 KG	19150
1.13760.2500	2.5 KG	55040
Sialyl Lewis x, Sodium Salt 565950-1MGCN	1 MG	22030
565950-5GMCN	5 MG	76190
Silane A 174 adhesion promoter 1.07673.0050	50 ML	8070
OmniPur™ SILVER PRO STAIN KIT 7490-1KITCN	1 KIT	41990
Sodium Acetate, 3 M, pH 5.2, MB Grade 567422-100MLCN	100 ML	7270
Sodium Acetate, Anhydrous, MB Grade 567418-500GMCN	500 G	4620

Catalog No.	Pack	Unit Price ₹
OmniPur™ Sodium Acetate,Anhyd. 7510-500GMCN	500 G	3980
7560-5KGCN	5 KG	20960
OmniPur™ Sodium Acetate,Trihy 7610-500GMCN	500 G	3930
7660-5KGCN	5 KG	21430
Sodium Chloride 567440-500GMCN	500 G	3570
567440-1KGCN	1 KG	6030
Sodium Chloride Tablets 567442-1EACN	1 EA	4800
Sodium Chloride, MB Grade 567441-500GMCN	500 G	4620
567441-5KGCN	5 KG	17110
OmniPur™ Sodium Chloride 7710-500GMCN	500 G	2300
7760-5KGCN	5 KG	8890
7780-25KGCN	25 KG	22470
Sodium Citrate, 2H2O, MB Grade 567446-100GMCN	100 G	3570
567446-1KGCN	1 KG	6030
567446-5KGCN	5 KG	20800
Sodium Hydroxide, Pellets 567530-250GMCN	250 G	4800
567530-500GMCN	500 G	8490
OmniPur™ SODIUM LAURYL SARCOSINE 8110-500GMCN	500 G	14640
Sodium n-Dodecyl Sulfate 428015-1KGCN	1 KG	10360
Sodium n-Dodecyl Sulfate, High Purity 428016-25GMCN	25 G	8350
SODIUM PHOSPHATE, DIBASIC 567550-500GMCN	500 G	7270
567550-1KGCN	1 KG	13260
Sodium Phosphate, Dibasic, MB Grade 567547-250GMCN	250 G	4800
567547-1KGCN	1 KG	14650
OmniPur™ Sodium Phosphate Dibasic 8210-500GMCN	500 G	4050
8240-5KGCN	5 KG	21050
Sodium Phosphate, Monobasic 567545-500GMCN	500 G	7270
567545-1KGCN	1 KG	10960
OmniPur™ Sodium Phosphate Monobasic 8290-500GMCN	500 G	4210
8295-5KGCN	5 KG	21050
Sorbitol 56755-1KGCN	1 KG	7270
OmniPur™ SORBITOL SX0850-3CN	500 G	9710
Spectinomycin, Dihydrochloride, Pentahyd 567570-10GMCN	10 G	18340
Spermine, TetraHCl 5677-5GMCN	5 G	23270
SPUTOLYSIN Reagent 560000-10MLCN	10 ML	4800
560000-1SETCN	1 SET	34040

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Catalog No.	Pack	Unit Price ₹
β-Alanine for biochemistry		
1.01008.0250	250 G	4580
1.01008.1000	1 KG	7600
SSC Buffer, 20X Powder Pack, ULTROL		
567780-2PACKCN	2 PACK	7270
OmniPur™ 20X SSC BUFFER-DRY MIX PK		
8340-1PACKCN	1 PACK	2860
OmniPur™ 20XSSC BUFFER,LIQ.CONC		
8310-4LCN	4 L	8130
OmniPur™ 20XSSPE BUFFER,LIQ.CON		
8410-4LCN	4 L	12880
β-Glucuronidase/aryl sulfatase (from Helix pomatia) stabilized aqueous solution for biochemistry EC 3.2.1.31 + EC 3.1.6.1		
1.04114.0002	2 ML	11590
Starch (from wheat) for biochemistry		
1.11685.0250	250 G	3300
1.11685.1000	1 KG	7070
Starch soluble acc. to Zulkowsky GR for analysis		
1.01257.0050	50 G	12400
1.01257.0250	250 G	26480
1.01257.1000	1 KG	112520
Starch soluble GR for analysis ISO		
1.01252.0100	100 G	5470
1.01252.0250	250 G	7490
1.01252.1000	1 KG	28130
1.01252.9025	25 KG	551390
Sterile Purified Water		
4.86505.9100	EA	POR
Streptomycin Sulfate, Streptomyces sp.		
5711-100GMCN	100 G	7000
OmniPur™ Streptomycin Sulfate		
8610-100GMCN	100 G	13000
Streptozotocin		
572201-250MGCN	250 MG	7270
572201-1GMCN	1 G	22030
Sucrose		
5737-1KGCN	1 KG	7270
Sucrose (saccharose) for biochem. Reag. Ph Eur		
1.07687.0250	250 G	2370
1.07687.1000	1 KG	5290
1.07687.5000	5 KG	20450
Sucrose, MB Grade		
573113-0.5KGCN	0.5 KG	4800
573113-1KGCN	1 KG	6030
573113-5KGCN	5 KG	18340
OmniPur™ SUCROSE,20% SUTLON		
8590-100MLCN	100 ML	7180
OmniPur™ Sucrose,OmniPur		
8510-500GMCN	500 G	3510
8550-5KGCN	5 KG	13790
SynaptoRed Reagent		
574799-5MGCN	5 MG	35580
TAE buffer 10 x pH 8.3 tris-acetate-EDTA buffer		
1.06023.1000	1 L	8290
TAE buffer 50 x pH 8,3 tris-acetate EDTA buffer		
1.06174.1000	1 L	11850

Catalog No.	Pack	Unit Price ₹
TAE Buffer, 10X, Molecular Biology Grade		
574797-1LCN	1 L	4800
OmniPur™ 10X Tae Buf Liq Concentrate		
8720-4LCN	4 L	10020
8725-20LCN	20 L	31970
OmniPur™ 25X TAE BUFFER-Premixed Powder		
8750-1PCCN	1 PC	8620
8770-1PACKCN	1 PACK	80580
TAPS, ULTROL Grade		
394675-1KGCN	1 KG	42960
Taurocholic Acid, Sodium , ULTROL		
580218-1GMCN	1 G	10650
580218-5GMCN	5 G	34040
Taurocholic Acid, Sodium Salt		
580217-5GMCN	5 G	12040
580217-25GMCN	25 G	44960
Taurodeoxycholic Acid, Sodium Salt		
580221-5GMCN	5 G	10400
580221-50GMCN	50 G	50040
Tauroursodeoxycholic Acid, Sodium Salt		
580549-1GMCN	1 G	14090
580549-5GMCN	5 G	48810
TBE buffer 10 x pH 8.3 tris-borate-EDTA buffer		
1.06177.2500	2.5 L	11030
TBE Buffer, 10X Powder Pack, ULTROL Grad		
574796-2PACKCN	2 PACK	8490
TBE Buffer, 10X, Molecular Biology Grade		
574795-1LCN	1 L	6030
OmniPur™ 10X TBE BUFFER DRYMIX PK		
8850-1PACKCN	1 PACK	3820
OmniPur™ 10XTBE BUFFER LIQ CON		
8820-4LCN	4 L	9840
8830-20LCN	20 L	36170
8840-200LCN	200 L	259200
OmniPur™ 5X TBE BUFFER CONC.		
8800-4LCN	4 L	8110
TBS Tablets		
524750-1EACN	1 EA	6030
OmniPur™ TBS 20X LIQUID CONC		
8320-4LCN	4 L	26100
OmniPur™ TBS 20X READY PACK POWDER		
8325-2PACKCN	2 PACK	7530
TBST Tablets		
524753-1EACN	1 EA	6030
TCEP, HCL		
580560-1GMCN	1 G	7270
OmniPur™ OmniPur TCEP-HCl		
4.85079.0002	2 G	19360
TCEP, Neutral		
580561-1MLCN	1 ML	9730
OmniPur™ 10 X TG BUFFER		
9000-4LCN	4 L	11660
TE Buffer, 100X, Molecular Biology Grade		
574793-1LCN	1 L	17110
OmniPur™ 100X TE BUFFER SOL PH8		
8910-1LCN	1 L	26160

Catalog No.	Pack	Unit Price ₹
OmniPur™ TE BUFFER SOL,PH8.0		
8890-100MLCN	100 ML	3820
TEMED,(N,N,N',N'-Tetramethyl ethylenediamine) GR for analysis		
1.10732.0100	100 ML	3750
OmniPur™ Temed,OmniPur		
8920-25MLCN	25 ML	2030
8930-100MLCN	100 ML	6660
TES, Free Acid, ULTROL Grade		
39465-100GMCN	100 G	12040
39465-1KGCN	1 KG	69730
Tetracycline, HCl		
58346-10GMCN	10 G	4800
58346-25GMCN	25 G	6030
58346-50GMCN	50 G	10960
OmniPur™ Tetracycline HCL		
8990-100GMCN	100 G	16290
Tetrahydrouridine		
584222-10MGCN	10 MG	12910
TG-SDS Buffer, 10X Powder Pack, ULTROL		
585207-2PACKCN	2 PACK	7270
OmniPur™ 10X TG-SDS BUFFER		
9015-4LCN	4 L	9760
Thiamine chloride hydrochloride for biochemistry		
1.08181.0025	25 G	2500
1.08181.0250	250 G	19130
Thiamine, HCl		
5871-100GMCN	100 G	6030
Thioflavin T		
596200-500MGCN	500 MG	8490
Thiol Fluorescent Probe IV		
595504-10MGCN	10 MG	19580
Thiostrepton		
598226-1GMCN	1 G	10960
598226-10GMCN	10 G	79900
THP		
598250-1GMCN	1 G	7270
Thrombin (from bovine plasma) 50 NIH-U/mg for biochemistry EC 3.4.21.5		
1.12374.0001	1 G	31230
Thrombin, Restriction Grade		
69671-1000UNCN	1000 UN	POR
Thymidine		
6060-5GMCN	5 G	6030
Thyroxine-Binding Globulin, Human		
612075-250UGCN	250 UG	35580
Tigecycline		
610225-50MGCN	50 MG	25480
Titanium(III) chloride solution about 15% (in about 10% hydrochloric acid) for amino acid analysis Reag. Ph Eur		
1.10789.0001	6 7.5 x .ML	13850
Tobramycin, Free Base		
614005-100MGCN	100 MG	7270
Tocopherol Set		
613424-1SETCN	1 SET	74810

Catalog No.	Pack	Unit Price ₹
TopoisomeraseI,HisTag,Human,WildType,Rec 614850-1SETCN	1 SET	57740
TPEN		
616394-100MGCN	100 MG	12180
trans-Retinoic Acid		
554720-500MGCN	500 MG	9730
Trehalose, Dihydrate		
625625-50GMCN	50 G	8490
625625-1KGCN	1 KG	98200
Trichloroacetic Acid		
641730-500MGCN	500 G	10960
Tricine, ULTROL Grade		
39468-100GMCN	100 G	7270
39468-1KGCN	1 KG	49120
OmniPur™ Tricine		
9010-500MGCN	500 G	20960
9050-25KGCN	25 KG	413890
Triclosan		
647950-1GMCN	1 G	8490
Triethanolamine GR for analysis		
1.08379.0250	250 ML	5590
1.08379.1000	1 L	12400
Triethanolamine hydrochloride GR for analysis		
1.08357.0100	100 G	4590
1.08357.1000	1 KG	17180
Triethylammonium acetate buffer solution for the purification of chemically synthesized oligonucleotides (1 mol/l) pH 7,0		
1.08208.1000	1 L	25460
Triethylammonium Acetate, 1 M Solution		
625718-1LCN	1 L	30650
OmniPur™ TRI-Sodium Citrate		
7810-1KGCN	1 KG	3790
7860-5KGCN	5 KG	13220
OmniPur™ TRIS 1M solution PH 7.5		
9285-100MLCN	100 ML	5890
OmniPur™ TRIS 1M solution PH 8.0		
9290-100MLCN	100 ML	4400
OmniPur™ TRIS 1M solution PH 9.0		
9295-100MLCN	100 ML	6060
OmniPur™ TRIS		
9210-500MGCN	500 G	5700
9230-5KGCN	5 KG	63460
9260-25KGCN	25 KG	POR
Tris Base, Molecular Biology Grade		
648310-500MGCN	500 G	10360
648310-2.5KGCN	2.5 KG	35580
Tris Base, ULTROL Grade		
648311-1KGCN	1 KG	11510
648311-5KGCN	5 KG	37890
648311-25KGCN	25 KG	148360
Tris Buffer, 1 M, pH 8.0, MB Grade		
648314-100MLCN	100 ML	7110
Tris Buffer, 100 mM, pH 7.4, MB Grade		
648315-100MLCN	100 ML	7110

Catalog No.	Pack	Unit Price ₹
Tris(hydroxymethyl)aminomethane GR for analysis buffer substance ACS,Reag. Ph Eur		
1.08382.0100	100 G	4190
1.08382.0250	250 G	2620
1.08382.0500	500 G	14040
1.08382.1000	1 KG	28620
1.08382.2500	2.5 KG	40150
1.08382.9025	25 KG	293420
Tris(hydroxymethyl)aminomethane TRIS LAB		
1.08387.0500	500 G	8500
1.08387.2500	2.5 KG	20670
1.08387.9025	25 KG	227050
Tris, HCl, MB Grade		
648317-100GMCN	100 G	6030
648317-1KGCN	1 KG	26960
Tris, HCl, ULTROL Grade		
648313-250GMCN	250 G	8490
648313-500GMCN	500 G	14650
648313-1KGCN	1 KG	21840
OmniPur™ TRIS Hydrochloride		
9310-500GMCN	500 G	14430
9350-5KGCN	5 KG	119930
9380-25KGCN	25 KG	384790
TRITON X-100 Detergent		
648462-1KGCN	1 KG	8490
648462-3KGCN	3 KG	17110
TRITON X-100 Detergent, Hydrogenated		
648465-10GMCN	10 G	21880
TRITON X-100 Detergent, MB Grade		
648466-50MLCN	50 ML	3430
TRITON X-100, Hydrogenated, 10% Sol.		
648464-10MLCN	10 ML	10960
TRITON X-100, PROTEIN Gr. 10% Solution		
648463-50MLCN	50 ML	10800
TRITON X-114, PROTEIN Gr. 10% Solution		
648468-50MLCN	50 ML	12040
OmniPur™ TRITON (TM) X-100		
9400-100MLCN	100 ML	3660
9410-1LCN	1 L	4130
9440-4LCN	4 L	14540
9460-20LCN	20 L	61280
Trolox 6-HYDROXY-2,5,7,8-TETRAMETHYL		
648471-500MGCN	500 MG	7270
Trypsin (from porcine pancreas) lyophilized, purified by affinity chromatography for protein sequence analysis, 1 package contains 5 x 50 µg EC 3.4.21.4		
1.08444.0001	5 X 50 myg	22890
TSH, Bov. Pituitary		
609385-5IUCN	5 IU	40500
TSH, Hu. Pituitary, Iodination		
869006-10UGCN	10 UG	15870
869006-50UGCN	50 UG	49120
869006-100UGCN	100 UG	84810
OmniPur™ TT-SDS BUFFER 10X CONC		
9474-1LCN	1 L	POR

Catalog No.	Pack	Unit Price ₹
Tunicamycin, Streptomyces lysosuperficus		
654380-10MGCN	10 MG	18190
654380-50MGCN	50 MG	46650
TWEEN 20 Detergent		
655205-250MLCN	250 ML	6030
TWEEN 20 Detergent, MB Grade		
655204-100MLCN	100 ML	4620
TWEEN 20, PROTEIN Gr. Detergent, 10% Sol		
655206-50MLCN	50 ML	9730
OmniPur™ TWEEN 20		
9480-1LCN	1 L	4830
9485-4LCN	4 L	17420
OmniPur™ TWEEN 80		
9490-1LCN	1 L	4610
9495-4LCN	4 L	19600
TWEEN 80, PROTEIN Gr. Detergent, 10% Sol		
655207-50MLCN	50 ML	9730
UDP-a-D-Galactose, Disodium Salt		
670111-10MGCN	10 MG	4800
670111-50MGCN	50 MG	10550
UDP-a-D-Glucose, Disodium Salt		
670120-250MGCN	250 MG	10960
UDP-a-D-N-Acetylgalactosamine, Disodium		
670105-5MGCN	5 MG	25730
UDP-a-D-N-Acetylglucosamine, Disodium		
670107-50MGCN	50 MG	12180
URACIL (1.08460)		
6630-10GMCN	10 G	4800
Urea		
66612-1KGCN	1 KG	8490
Urea for biochemistry		
1.08488.0250	250 G	1930
1.08488.1000	1 KG	9410
1.08488.5000	5 KG	17170
1.08488.9010	10 KG	39860
Urea, MB Grade		
666122-500GMCN	500 G	6030
666122-2.5KGCN	2.5 KG	18340
OmniPur™ UREA		
9510-500GMCN	500 G	3860
9530-5KGCN	5 KG	20540
9550-25KGCN	25 KG	57660
Urease (from jack beans) solution in 50% glycerol, 1000 U/ml for biochemistry EC 3.5.1.5		
1.16493.0010	10 ML	13410
Urease lyophilized 5 U/mg EC 3.5.1.5		
1.08489.0005	5 G	20610
1.08489.0025	25 G	60670
Urease, Canavalia ensiformis		
666133-10KUCN	10 KU	4800
Uridine		
6680-25GMCN	25 G	9730
6680-100GMCN	100 G	29420
Uridine-5'-triphosphate, Trisodium Salt		
6701-50MGCN	50 MG	4800

■ Biochemicals from Merck KGaA (Germany)

Availability of the products of animal origin is subject to government regulations. Please check with your local MM representative before ordering.

Catalog No.	Pack	Unit Price ₹
Valinomycin, Streptomyces fulvissimus		
676377-25MGCN	25 MG	9730
676377-100MGCN	100 MG	31890
Vancomycin, HCl, Streptomyces orientalis		
627850-250MGCN	250 MG	8350
Vitamin B12		
6791-5GMCN	5 G	25730
Vitamin B12 for biochemistry		
1.24592.0100	100 MG	3080
1.24592.1000	1 G	8920
Vitamin D2, 1a-Hydroxy-		
679100-1MGCN	1 MG	18340
Vitamin D3, 1a, 25-Dihydroxy-		
679101-50UGCN	50 UG	31730
Vitamin D3, 1a-Hydroxy-		
679104-1MGCN	1 MG	23270
Vitamin D3, 25-Hydroxy-		
679102-1MGCN	1 MG	14650
Water, DEPC-Treated, Molecular Biology Grade		
693520-1LCN	1 L	6030
OmniPur™ WATER-DEPC TREATED		
9601-100MLCN	100 ML	4400
9602-500MLCN	500 ML	5500
9610-1LCN	1 L	6110
9612-5LCN	5 L	35070
9613-10LCN	10 L	55770

Catalog No.	Pack	Unit Price ₹
OmniPur™ WATER, Sterile, Nudeax Free, Low Endotoren		
9820-100MLCN	100 ML	5250
OmniPur™ WATER		
2017-100MLCN	100 ML	9180
OmniPur™ WATER, STERILE PURIFIED		
9801-100MLCN	100 ML	3280
9812-10LCN	10 L	29580
9811-5LCN	5 L	52400
OmniPur™ WATER, WFI Quality, Sterite Purified CCT		
4.86505.1000	1 L	2330
4.86505.5000	5 L	22190
4.86505.9010	10 L	32740
4.86505.9020	20 L	35110
4.86505.9200	200 L	260760
Xanthine		
6820-5GMCN	5 G	7270
OmniPur™ X-GAL		
9630-100MGCN	100 MG	2630
9660-1GMCN	1 G	10290
Xylene cyanol for electrophoresis (C.I. 42135)		
1.10590.0005	5 G	4500
OmniPur™ XYLENE CYANOL		
9710-25GMCN	25 G	15960

Catalog No.	Pack	Unit Price ₹
Z-Phe-Arg-7-amido-4-methylcoumarin, HCl		
03-32-1501-25MGCN	25 MG	12180
ZWITTERGENT 3-08 Detergent		
693019-5GMCN	5 G	12040
ZWITTERGENT 3-10 Detergent		
693021-5GMCN	5 G	12040
693021-25GMCN	25 G	42800
693021-100GMCN	100 G	130210
ZWITTERGENT 3-12 Detergent		
693015-5GMCN	5 G	12040
693015-25GMCN	25 G	41580
693015-1KGCN	1 KG	319170
ZWITTERGENT 3-14 Detergent		
693017-5GMCN	5 G	12040
693017-25GMCN	25 G	41580
693017-100GMCN	100 G	147140
693017-500GMCN	500 G	233000
ZWITTERGENT 3-16 Detergent		
693023-5GMCN	5 G	12040
693023-25GMCN	25 G	43880
693023-500GMCN	500 G	257460
ZWITTERGENT Test Kit		
693030-1KITCN	1 KIT	18190

OmniPur® Grade Molecular Biology Reagents

1. A Comprehensive Portfolio of Research Essential Reagents for a Wide Range of Biological Applications and Techniques
2. DNase, RNase, Protease Tested for Best Results
3. Suitable for Research Labs as Well as Production Facilities



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ANTIBODIES

- Phosphodetect Antibodies
- Primary Antibodies
- Secondary Antibodies

Catalog No.	Pack	Unit Price ₹
20S Proteasome, Rabbit		
539154-10UGCN	10 UG	36870
3,3',5,5'-Tetramethylbenzidine, Insol.		
613548-100MLCN	100 ML	10800
3,3',5,5'-Tetramethylbenzidine, Soluble		
613544-100MLCN	100 ML	7660
4EBP1, His*Tag, Hu, Rec, S. frugiperda		
516678-50UGCN	50 UG	33110
5-Br-4-Cl-3-indolyl-a-D-galactopyranosid		
203780-25MGCN	25 MG	14490
5-Br-4-Cl-3-indolyl-a-D-glucopyranoside		
203781-25MGCN	25 MG	14490
5-Bromo-4-chloro-3-indolylphosphate 2Na		
203788-1GMCN	1 GM	34190
5-Lipoxygenase, Human, Recombinant		
437996-500UCN	500 U	31480
a1,2-Fucosidase, Xanthomonas sp.		
344822-5MIUCN	5 MIU	38160
a1,6-Fucosidase, C. meningosepticum		
344826-50MIUCN	50 MIU	40720
a1-3,4-Fucosidase, Xanthomonas sp.		
344824-5MIUCN	5 MIU	38160
a1-3,6-Galactosidase, Recom		
345797-25UCN	25 U	26210
a2,3-(O)-Sialyltransferase, Rat, Recomb.		
566227-100MIUCN	100 MIU	18830
a2,3-Neuraminidase, M. decora, Recom		
480706-50MIUCN	50 MIU	14490
a2-3,6,8,9-Neuraminidas, Recombinant		
480716-250MIUCN	250 MIU	37730
a2-3,6-Neuraminidase, C. perfringens		
480708-500MIUCN	500 MIU	36650
aA-Interferon, Human, Recomb., E. coli		
407294-5MUCN	5 MU	36060
Abl Protein Tyrosine Kinase, Recomb.		
102555-2000UCN	2000 U	35460
ABTS Chromophore		
194434-100MLCN	100 ML	15560
ABTS Chromophore, 20 x 5 mg Tablets		
194437-1EACN	1 EA	12040
ABTS Chromophore, Diammonium Salt		
194430-1GMCN	1 GM	6070
Activin A, Hu., Recom, CHO Cell Line		
114700-10UGCN	10 UG	42700
ADAM10, His-Tag, Mouse, Recombinant		
PF124-20UGCN	20 UG	58960
Adenosine Deaminase, Bovine Intestine		
116880-200UCN	200 U	57420
AEC		
152224-10MLCN	10 ML	13150
AEC Substrate Buffer		
152226-50MLCN	50 ML	8520
a-Interferon, Mouse, Recomb.		
407293-100KUCN	100 KU	57910

Catalog No.	Pack	Unit Price ₹
Aldehyde Dehydrogenase, Yeast		
126925-100UCN	100 U	12260
a-Melanocyte-Stimulating Hormone		
05-23-0751-1MGCN	1 MG	7110
05-23-0751-5MGCN	5 MG	25570
AMP Kinase (a1/b1/g1), His*Tag, Human		
171536-5UGCN	5 UG	59150
Amphiregulin, Human, Recombinant		
171372-100UGCN	100 UG	44090
AMPK (α 1/ β 1/ γ 2), His Tag, Human, Rec.		
171538-5UGCN	5 UG	59150
AMPK (α 2/ β 1/ γ 1), His Tag, Human, Recombi		
171539-5UGCN	5 UG	59150
Amylin, Human		
05-23-2540-0.5MGCN	0.5 MG	34150
AndrogenReceptor,HisTag,Hu,Recombinant		
346101-5000UCN	5000 U	63220
Angiostatin K1-3, Recom, E. Coli		
176708-250UGCN	250 UG	54650
Angiotensinogen, Human Plasma		
176870-100UGCN	100 UG	18190
Anti-19S Proteasome S2-Subunit Rb pAb		
539166-100ULCN	100 UL	45460
Anti-2,2,7-Trimethylguano Mo mAb (K121)		
NA02-100UGCN	100 UG	39110
Anti-2,2,7-Trimethylguano Mo mAb Ag Conj		
NA02A-0.5MLCN	0.5 ML	52650
Anti-20S Proteasome a1-3,5-7-Sub Mo mAb		
ST1049-100ULCN	100 UL	42850
Anti-20S Proteasome Core Subunits Rb pAb		
ST1053-100ULCN	100 UL	44160
Anti-5-Methylcytosine Mo mAb (162 33 D3)		
NA81-50UGCN	50 UG	33660
Anti-8-Hydroxyguanosine Goat pAb		
DR1001-100ULCN	100 UL	35050
Anti-a1-Antitrypsin Mouse mAb (TMF1#4B5)		
178260-1MGCN	1 MG	28430
Anti-A20 Mouse mAb (59A426)		
AM63-100UGCN	100 UG	41410
Anti-a-actin Mouse mAb (1A4)		
113200-500ULCN	500 UL	38480
Anti-ABCG1 Mouse mAb (2E11)		
ST1606-100UGCN	100 UG	36810
Anti-Acetylated Lysine Rabbit pAb		
ST1027-50ULCN	50 UL	32090
Anti-Actin (Ab-1) Mouse mAb (JLA20)		
CP01-1EACN	1 EA	36810
Anti-Actin (Ab-3) Mouse mAb (HHF-35)		
CP64-100ULCN	100 UL	29270
Anti-ACTN4 Mouse mAb (4D10)		
CB1024-100UGCN	100 UG	38030
Anti-ADAM12 Mouse mAb (1G3)		
ST1600-100UGCN	100 UG	38030
Anti-ADAMTS1 Mouse mAb (1B8)		
ST1604-100UGCN	100 UG	37890

Catalog No.	Pack	Unit Price ₹
Anti-ADD1 Mouse mAb (2C9)		
CB1025-100UGCN	100 UG	38030
Anti-Adenovirus 2 E1A Mouse mAb (M73)		
DP11-100UGCN	100 UG	32960
Anti-a-ENAC Rabbit pAb		
324870-100UGCN	100 UG	41730
Anti-AFP Mouse mAb (1G7)		
ST1673-100UGCN	100 UG	37040
Anti-AGER Mouse mAb (1C1)		
ST1554-100UGCN	100 UG	36810
Anti-AIDA Rabbit pAb		
ST1686-100ULCN	100 UL	36810
Anti-a-IFN-R Chain 2 Mo mAb (MMHAR-2)		
407295-50UGCN	50 UG	42940
Anti-a-Interferon Mouse mAb (MMHA-2)		
407290-500UGCN	500 UG	61310
Anti-AKAP9 Mouse mAb (1A6)		
ST1624-50UGCN	50 UG	38030
Anti-AKR1B10 Mouse mAb (1A6)		
ST1507-100UGCN	100 UG	38790
Anti-Akt, PH Domain Mouse mAb (SKB1)		
ST1088-1SETCN	1 SET	41410
Anti-Albumin Rabbit pAb		
126705-1MLCN	1 ML	15730
Anti-Albumin Rabbit pAb		
126584-1MLCN	1 ML	19190
Anti-ALDH2 Mouse mAb (1E5)		
ST1533-100UGCN	100 UG	38790
Anti-ALOX12 Mouse mAb (2D10)		
ST1558-100UGCN	100 UG	38790
Anti-AML1 (Ab-1) Rabbit pAb		
PC284-100UGCN	100 UG	39000
Anti-AML1/RHD Domain (Ab-2) Rabbit pAb		
PC285-100UGCN	100 UG	34340
Anti-AML3 Rabbit pAb		
PC287-100UGCN	100 UG	34190
Anti-Angiogenin Goat pAb		
PC317L-100UGCN	100 UG	36650
Anti-Angiopoietin-2 Rabbit pAb		
176002-50UGCN	50 UG	41420
Anti-AnkyrinG Mouse mAb (463)		
NB20-100UGCN	100 UG	36810
Anti-ANT-1 (Ab-1) Rabbit pAb		
PC522-100UGCN	100 UG	33600
Anti-ANT2 Rabbit pAb		
AP1057-50UGCN	50 UG	37890
Anti-APC (Ab-1) Mouse mAb (FE9)		
OP44-100UGCN	100 UG	39270
Anti-APC (Ab-5) Mouse mAb (CF11)		
OP62-100UGCN	100 UG	37890
Anti-APC (Ab-7) Mouse mAb (CC-1)		
OP80-100UGCN	100 UG	39270
Anti-APLN Mouse mAb (2A1-2D5)		
ST1602-100UGCN	100 UG	36810

Catalog No.	Pack	Unit Price ₹
Anti-APOC1 Mouse mAb (2E2-1A3) NE1037-100UGCN	100 UG	38790
Anti-Apolipoprotein A-I Goat pAb 178463-1MLCN	1 ML	10840
Anti-Apolipoprotein A-I Rabbit pAb 178422-1MLCN	1 ML	25110
Anti-Apolipoprotein A-II Goat pAb 178464-1MLCN	1 ML	13110
Anti-Apolipoprotein B Goat pAb 178467-1MLCN	1 ML	13110
Anti-Apolipoprotein E Goat pAb 178479-500ULCN	500 UL	36250
Anti-APP, C-Terminal Rabbit pAb 171610-50ULCN	50 UL	32810
Anti-Aquaporin 1 (243-261) Rabbit pAb 178611-1STCN	1 ST	42960
Anti-Aquaporin 2 (254-271) Rabbit pAb 178612-1STCN	1 ST	42660
Anti-Aquaporin 3 (275-292) Rabbit pAb 178613-1STCN	1 ST	43880
Anti-Aquaporin 5 Rabbit pAb 178615-50UGCN	50 UG	36500
Anti-ARSA Mouse pAb AP1138-50UGCN	50 UG	36810
Anti-ARSB Mouse mAb AP1139-100UGCN	100 UG	36810
Anti-ARX Mouse mAb (4H8) DR1077-100UGCN	100 UG	36810
Anti-a-Synuclein (Ab-1) Guinea pig pAb PC325-50ULCN	50 UL	35420
Anti-ATF3 Mouse mAb (6B8) DR1086-100UGCN	100 UG	41730
Anti-ATM (Ab-3) Rabbit pAb PC116-100UGCN	100 UG	34340
Anti-ATR (Ab-2) Rabbit pAb PC538-50ULCN	50 UL	39110
Anti-a-Tubulin Mouse mAb (DM1A) CP06-100UGCN	100 UG	36080
Anti-Aurora-A Rabbit pAb PC742-100ULCN	100 UL	44160
Anti-BACE1, C-Terminal (485-501) Rb pAb 195111-100ULCN	100 UL	42960
Anti-Bak (Ab-1) Mouse mAb (TC-100) AM03-100UGCN	100 UG	37890
Anti-Bak (Ab-2) Mouse mAb (TC-102) AM04-100UGCN	100 UG	36650
Anti-b-Amyloid (1-42) Rabbit pAb PC150-25UGCN	25 UG	45430
Anti-b-Amyloid40 (FCA3340) Rabbit pAb 171608-50ULCN	50 UL	41730
Anti-b-Amyloid42 (FCA3542) Rabbit pAb 171609-50ULCN	50 UL	42960
Anti-Bax (Ab-1) Rabbit pAb PC66-100UGCN	100 UG	33660

Catalog No.	Pack	Unit Price ₹
Anti-b-Catenin Dephospho Mouse mAb (8E4) 219350-1SETCN	1 SET	47730
Anti-b-CG Mo mAb (P3G7) 230746-1MGCN	1 MG	22650
Anti-Bcl-2 (Ab-1) Mouse mAb (100) OP60-100UGCN	100 UG	35420
Anti-Bcl-2 (Ab-2) Rabbit pAb PC68-100UGCN	100 UG	31730
Anti-Bcl-2 (Ab-3) Mouse mAb (4D7) OP91-100UGCN	100 UG	31730
Anti-BCL9 Mouse mAb (2D4) ST1662-100UGCN	100 UG	38030
Anti-Bcl-x (Ab-1) Rabbit pAb PC67-100UGCN	100 UG	34190
Anti-BDNF Mouse mAb (35928.11) GF35L-100UGCN	100 UG	32960
Anti-BIK Mouse mAb (4G12) AP1146-100UGCN	100 UG	38030
Anti-b-Interferon Rabbit pAb 407299-20KUCN	20 KU	34900
Anti-BMP7 Mouse mAb (M1-F8) ST1631-100UGCN	100 UG	39110
Anti-BMP7 Rabbit pAb ST1632-100ULCN	100 UL	39110
Anti-BMPR2 Mouse mAb (4A2) ST1717-100UGCN	100 UG	38790
Anti-Bone Sialoprotein Mouse mAb (ID1.2) 203637-100UGCN	100 UG	32340
Anti-BRCA1 (Ab-1) Mouse mAb (MS110) OP92-100UGCN	100 UG	38030
Anti-BRCA1 (Ab-2) Mouse mAb (MS13) OP93-100UGCN	100 UG	37890
Anti-BRCA1 (Ab-4) Mouse mAb (SD118) OP107-100UGCN	100 UG	37890
Anti-BRCA2 (Ab-1) Mouse mAb (2B) OP95-100UGCN	100 UG	36080
Anti-BRCA2 Rabbit pAb CA1033-100UGCN	100 UG	31730
Anti-BrdU (Ab-3) Mouse mAb (Mobu-1) NA61-100UGCN	100 UG	39110
Anti-CA 125 Mouse mAb (OC 125) CA1004-200ULCN	200 UL	37890
Anti-c-Abl (Ab-2) Mouse mAb (19-110) OP19-100UGCN	100 UG	36650
Anti-c-Abl (Ab-3) Mouse mAb (24-21) OP20-100UGCN	100 UG	38030
Anti-Calbindin D-28K (Ab-1) Rabbit pAb PC253L-100ULCN	100 UL	42940
Anti-Calcitonin Gene Rel Pep(CGRP)Rb pAb PC205L-100ULCN	100 UL	42960
Anti-Calnexin, C-Term (575-593) Rb pAb 208880-50ULCN	50 UL	39110
Anti-Calpain 1/2, Sm Sub Mo mAb (28F3) 208730-100UGCN	100 UG	35420

Catalog No.	Pack	Unit Price ₹
Anti-Calreticulin (405-417) Rabbit pAb 208910-50ULCN	50 UL	30950
Anti-Calreticulin Mouse mAb (FMC75) 208912-50UGCN	50 UG	36250
Anti-cAMP Rabbit pAb 116820-1STCN	1 ST	43960
Anti-Cannabinoid Receptor CB1 Rabbit pAb 209550-100ULCN	100 UL	45110
Anti-Capsaicin Receptor (Ab-1) Rb pAb PC420-100UGCN	100 UG	37890
Anti-Caspase-3 (Ab-2) Mo mAb (10C1.C9) AM34-100UGCN	100 UG	31730
Anti-Caspase-3 (Ab-4) Mo mAb (AM1.31-11) AM65-100UGCN	100 UG	31730
Anti-Caspase-3, Cleaved (Ab-2) Rb pAb PC679-50UGCN	50 UG	33660
Anti-Caspase-8 (Ab-3) Mouse mAb (1-3) AM46-100UGCN	100 UG	37890
Anti-Catalase Rabbit pAb 219010-1MLCN	1 ML	15670
Anti-Cathepsin B (Ab-1) Mouse mAb (CA10) IM27L-100UGCN	100 UG	41730
Anti-Cathepsin B (Ab-3) Rabbit pAb PC41-100UGCN	100 UG	32960
Anti-Cathepsin D (Ab-1) Mo mAb (BC011) IM03-100UGCN	100 UG	35420
Anti-Cathepsin D (Ab-2) Rabbit pAb IM16-100UGCN	100 UG	36650
Anti-Cathepsin D Rabbit pAb 219361-1MLCN	1 ML	41730
Anti-Cathepsin G Rabbit pAb 219358-1MLCN	1 ML	16950
Anti-Cathepsin K Mouse mAb (182-12G5) IM55-100UGCN	100 UG	38030
Anti-Cathepsin S Rabbit pAb 219384-100ULCN	100 UL	26800
Anti-CaV1.2 Rabbit pAb 681507-1STCN	1 ST	39110
Anti-CaV2.2 Rabbit pAb 681505-1STCN	1 ST	32960
Anti-CAV3 Mouse mAb (1G11) ST1701-100UGCN	100 UG	38030
Anti-CD11a Mouse mAb (38) 217640-100UGCN	100 UG	32960
Anti-CD18, Human (MoAb) 217660-100UGCN	100 UG	31730
Anti-CD28 Mouse mAb (ANC28.1/5D10) 217669-100UGCN	100 UG	35540
Anti-CD3 Mouse mAb (UCHT1) 217570-100UGCN	100 UG	18460
Anti-CD3 Rabbit pAb PC630-100ULCN	100 UL	29360
Anti-CD40 Mouse mAb (EA-5) 217590-100UGCN	100 UG	32340

Catalog No.	Pack	Unit Price ₹
Anti-CD40L Mouse mAb (24-31) 217595-100UGCN	100 UG	39230
Anti-CD44 Rat mAb (A020) 217594-100ULCN	100 UL	41730
Anti-CD44v10 Rabbit pAb 217685-100UGCN	100 UG	44180
Anti-CD49f Mouse mAb (BQ16) 217657-100UGCN	100 UG	35420
Anti-CD54 Mouse mAb (15.2) 217605-100UGCN	100 UG	30490
Anti-CD63 Mouse mAb (NKI/C-3) OP171-100UGCN	100 UG	35540
Anti-CD64 Mouse mAb (10.1) 217620-100UGCN	100 UG	30590
Anti-CD99 Mouse mAb (3A10) CB1050-100UGCN	100 UG	38010
Anti-Cdh1 (Ab-2) Mouse mAb (DH01) CC43-100UGCN	100 UG	37890
Anti-CEACAM1 Mouse mAb (2F10) CB1034-100UGCN	100 UG	38030
Anti-c-ErbB2/c-Neu (Ab-1) Rabbit pAb PC04-100UGCN	100 UG	34190
Anti-c-ErbB2/c-Neu (Ab-2) Mo mAb (9G6) OP14-100UGCN	100 UG	39110
OP14L-100UGCN	100 UG	39110
Anti-c-ErbB2/c-Neu (Ab-3) Mo mAb (3B5) OP15-100UGCN	100 UG	39690
OP15L-100UGCN	100 UG	39110
Anti-c-ErbB2/c-Neu (Ab-4) Mo mAb (7.16.4) OP16-100UGCN	100 UG	39110
OP16L-100UGCN	100 UG	39110
Anti-c-ErbB2/c-Neu (Ab-5) Mo mAb (TA-1) OP39-100UGCN	100 UG	39110
Anti-c-ErbB2/c-Neu (Ab-6) Mo mAb (OD-3) OP67-100UGCN	100 UG	39110
Anti-c-ErbB3 (Ab-5) Mouse mAb (H3.105.5) OP120-100UGCN	100 UG	39110
Anti-c-ErbB3 Mo mAb (H3.90.6 or Ab90) OP119-100UGCN	100 UG	39110
Anti-c-Fos (Ab-1) Mouse mAb (2G9C3) OP17-200UGCN	200 UG	39000
OP17L-200UGCN	200 UG	39000
Anti-c-Fos (Ab-2) Rabbit pAb PC05L-100UGCN	100 UG	40890
Anti-c-Fos (Ab-3) Mouse mAb (CS93.1.18) OP53-100UGCN	100 UG	39000
Anti-c-Fos (Ab-5) Rabbit pAb PC38-100ULCN	100 UL	28830
Anti-CHIP Rabbit pAb PC711-100ULCN	100 UL	40040
Anti-Cholera Toxin, B-Subunit Goat pAb 227040-100ULCN	100 UL	17930
Anti-c-H-Ras (Ab-1) Mo mAb (F235-1.7.1) OP23-200UGCN	200 UG	42700
OP23-100UGCN	100 UG	32340

Catalog No.	Pack	Unit Price ₹
Anti-c-Jun/AP-1 (Ab-3) Mouse mAb (76) OP55-100UGCN	100 UG	34190
Anti-c-Kit Rabbit pAb PC34-100UGCN	100 UG	34340
Anti-c-K-Ras (Ab-1) Mouse mAb (234-4.2) OP24-100UGCN	100 UG	38790
Anti-Clathrin Heavy Chain Mo mAb (X22) CP45-100ULCN	100 UL	42960
Anti-CLDN1 Mouse mAb (1C5-D9) CB1046-100UGCN	100 UG	38030
Anti-Cleaved Bid (Ab-1) Rabbit pAb PC645-10TCN	10 T	44190
Anti-CLN3 Mouse mAb (1G10) ST1523-100UGCN	100 UG	36810
Anti-c-Myc (Ab-1) Mouse mAb (9E10) OP10-200UGCN	200 UG	37270
OP10L-200UGCN	200 UG	37270
Anti-c-Myc (Ab-3) Mouse mAb (33) OP31-100UGCN	100 UG	39000
Anti-c-Myc Mo mAb (9E10) FITC Conj OP10F-100UGCN	100 UG	42660
Anti-c-N-ras (Ab-1) Mouse mAb (F155-227) OP25-100UGCN	100 UG	32340
Anti-Collagen Type I/III CNBrFrag Rb pAb 234169-500ULCN	500 UL	35420
Anti-Collagen, Type I Rabbit pAb 234167-500ULCN	500 UL	36650
Anti-Collagen, Type II (Ab-1) Mouse mAb CP18-100UGCN	100 UG	36810
Anti-Collagen, Type VII Rabbit pAb 234192-500ULCN	500 UL	36650
Anti-Collagen, Type X Rabbit pAb 234196-500ULCN	500 UL	49120
Anti-Complement 3 Goat pAb 204869-1MLCN	1 ML	13310
Anti-Complement 5a Rabbit pAb 204889-1MLCN	1 ML	30590
Anti-Complement 5b-9 Rabbit pAb 204903-1MGCN	1 MG	34140
Anti-COPS2 Mouse mAb (4B12) ST1682-100UGCN	100 UG	38790
Anti-COX2, C-Terminal Rabbit pAb 236002-50UGCN	50 UG	34870
ANTI-CRE ANTIBODY 69050-3CN	50 UL	20650
Anti-C-Reactive Protein Rabbit pAb 235752-1MLCN	1 ML	13330
Anti-CRY1 Mouse mAb (4H4-1C4) DR1105-100UGCN	100 UG	36810
Anti-CSK II b-Sub Mo mAb (6D5) 218712-50UGCN	50 UG	37890
Anti-CSK II, a-Sub Mo mAb (1AD9) 218703-100UGCN	100 UG	37890
Anti-CTNBL1 Mouse mAb (5F1) AP1135-50UGCN	50 UG	50830

Catalog No.	Pack	Unit Price ₹
Anti-Cyclin D1 (Ab-3) Mouse mAb (DCS-6) CC12-100UGCN	100 UG	30490
Anti-Cyclophilin D Mo mAb (E11AE12BD4) AP1035-50UGCN	50 UG	36500
Anti-CYP19A1 Rabbit pAb ST1564-100UGCN	100 UG	38790
Anti-DAD1 Mouse mAb (1F3-A4) AP1148-100UGCN	100 UG	38030
Anti-DCC Mouse mAb (AF5) OP45-100UGCN	100 UG	40500
Anti-DEFB4 Mouse mAb (4C4) ST1568-100UGCN	100 UG	38010
Anti-DeltaNp73 Mouse mAb (38C674) OP181-100UGCN	100 UG	44040
Anti-Desmin (Ab-1) Mouse mAb (DE-B-5) IF02L-100UGCN	100 UG	35420
Anti-DFHR Mouse mAb (2B10) ST1711-100UGCN	100 UG	38790
Anti-DLL1 Mouse mAb (4F8) ST1703-100UGCN	100 UG	38790
Anti-DNA-PK (Ab-2) Mouse mAb (18-2) NA57-100UGCN	100 UG	38890
Anti-Dopamine D1 Receptor Rabbit pAb 324390-100ULCN	100 UL	46650
Anti-Dopamine D2 Receptor Rabbit pAb 324393-100ULCN	100 UL	44190
Anti-Dopamine D2S Receptor Rabbit pAb 324396-100ULCN	100 UL	40500
Anti-Dopamine D3 Receptor Rabbit pAb 324402-100ULCN	100 UL	42960
Anti-Dopamine D4 Receptor Rabbit pAb 324405-100ULCN	100 UL	42960
Anti-Dopamine D5 Receptor Rabbit pAb 324408-100ULCN	100 UL	42960
Anti-DPYD Mouse mAb (7D4) ST1672-100UGCN	100 UG	38790
Anti-DSCR1 Mouse mAb (1G7) ST1569-200ULCN	200 UL	36810
Anti-DYRK1A Mouse mAb (7D10) ST1650-100UGCN	100 UG	38790
Anti-E2F2 Rabbit pAb DR1095-100UGCN	100 UG	38030
Anti-EBNA Mouse mAb (E8.26) DP15L-100UGCN	100 UG	35420
Anti-E-Cadherin (ECCD-2) Rt mAb (ECCD-2) 205604-100UGCN	100 UG	41730
Anti-E-Cadherin Mouse mAb (HECD-1) 205601-100UGCN	100 UG	42960
Anti-EDN3 Rabbit pAb ST1512-100UGCN	100 UG	38030
Anti-EGF (Ab-3) Rabbit pAb PC08-100UGCN	100 UG	34870
Anti-EGF-R (Ab-1) Mouse mAb (528) GR01L-100UGCN	100 UG	40040
GR01-100UGCN	100 UG	36250

Catalog No.	Pack	Unit Price ₹
Anti-EGF-R (Ab-3) Mouse mAb (225)		
GR13-100UGCN	100 UG	38790
GR13L-100UGCN	100 UG	38790
Anti-EGFR (Ab-5) Mouse mAb (EGFR.1)		
GR15-100UGCN	100 UG	36250
GR15L-100UGCN	100 UG	36250
Anti-ENO1 Mouse mAb (8G8)		
DR1061-100UGCN	100 UG	36810
Anti-EpCAM-1 (Ab-1) Mouse mAb (VU-1D9)		
OP187-100UGCN	100 UG	36650
Anti-EPHA4 Mouse mAb (6H7)		
AP1173-100UGCN	100 UG	37890
Anti-ER b (Ab-2) Mouse mAb (9.88)		
GR39-100ULCN	100 UL	34190
Anti-Estrogen Receptor b (Ab-1) Rb pAb		
PC168-100UGCN	100 UL	42830
Anti-ETV6 Mouse mAb (3B10)		
DR1093-100UGCN	100 UG	38030
Anti-Excit A A Transporter (GLT-1)Rb pAb		
PC154-100ULCN	100 UL	46350
Anti-Factor B Goat pAb		
341272-2MLCN	2 ML	19480
Anti-Factor H Goat pAb		
341276-1MLCN	1 ML	12060
Anti-FADS1 Mouse mAb (2D9)		
ST1579-100UGCN	100 UG	38790
Anti-FAP Mouse mAb (F11-24)		
OP188-100UGCN	100 UG	37890
Anti-Farnesyl Rabbit pAb		
341286-100UGCN	100 UG	59040
Anti-Fas (Ab-1) Rabbit pAb		
PC69-100UGCN	100 UG	31730
Anti-FASN Mouse mAb (3F2-1F3)		
ST1549-50UGCN	50 UG	38790
Anti-FCGR2A Mouse mAb (3E8)		
ST1571-100UGCN	100 UG	38010
Anti-FCN2 Rabbit pAb		
ST1689-100UGCN	100 UG	38030
Anti-FGF21 Mouse mAb (2F11)		
ST1615-100UGCN	100 UG	40380
Anti-FGF8 Mouse mAb (2A10)		
ST1630-100UGCN	100 UG	37890
Anti-FGFR2 Mouse mAb (1G3)		
ST1680-100UGCN	100 UG	38790
Anti-Fibrinogen Rabbit pAb		
341552-1MLCN	1 ML	12040
Anti-Fibroblast Antigen Mouse mAb (AS02)		
CP28-200UGCN	200 UG	57580
Anti-Fibroblast GF, Basic (Ab-2) Rb pAb		
PC16-100UGCN	100 UG	34870
Anti-Fibronectin (Ab-3) Mo mAb (FBN11)		
CP70-100UGCN	100 UG	38970
Anti-FIS1 Mouse mAb (1G9)		
AP1165-50UGCN	50 UG	38030

Catalog No.	Pack	Unit Price ₹
Anti-Fodrin Mouse mAb (Fod009)		
344050-50UGCN	50 UG	41730
Anti-GABA Rabbit pAb		
PC213L-100ULCN	100 UL	42960
Anti-Ganglioside GM1 Rabbit pAb		
345757-100ULCN	100 UL	41730
Anti-Ganglioside GM1, Asialo Rabbit pAb		
345758-100ULCN	100 UL	47580
Anti-Ganglioside GM2 Rabbit pAb		
345759-100ULCN	100 UL	73410
Anti-GAPDH Mouse mAb (6C5)		
CB1001-500UGCN	500 UG	36080
Anti-GBA Mouse mAb (2E2)		
AP1140-100UGCN	100 UG	38790
Anti-GCLC Mouse mAb (3H1)		
DR1045-100UGCN	100 UG	38790
Anti-GCM1 Mouse mAb (2E11)		
DR1123-100UGCN	100 UG	36810
Anti-GCSF (Ab-1) Mouse mAb (5.24)		
GF05-200UGCN	200 UG	36250
Anti-GFAP Mouse mAb (G-A-5)		
IF03L-100UGCN	100 UG	36080
Anti-GFAP Rat mAb (2.2B10)		
345860-100UGCN	100 UG	42960
Anti-GHR Mouse mAb (3A12)		
ST1543-100UGCN	100 UG	37790
Anti-Gia-1/2-Sub(345-354,346-355) Rb pAb		
371723-50ULCN	50 UL	43960
Anti-Gia-1-Sub Internal (159-168) Rb pAb		
371720-50ULCN	50 UL	43960
Anti-Gia-2-Sub, Internal (85-100) Rb pAb		
371727-50ULCN	50 UL	45230
Anti-Gia-3/Goa-Subunits (345-354) Rb pAb		
371726-50ULCN	50 UL	42700
Anti-Gia-3-Sub, C-Term (345-354) Rb pAb		
371729-50ULCN	50 UL	43960
Anti-Glucocorticoid Recptr Mo mAb(BuGR2)		
GR32L-100UGCN	100 UG	45460
Anti-Glucose Transporter-1 Rabbit pAb		
400060-50UGCN	50 UG	34620
Anti-Glucose Transporter-2 Rabbit pAb		
400061-50UGCN	50 UG	37040
Anti-Glucose Transporter-3 Rabbit pAb		
400062-50UGCN	50 UG	37490
Anti-Glucose Transporter-4 Rabbit pAb		
400064-50UGCN	50 UG	34620
Anti-GluR1 Rabbit pAb		
PC246-100UGCN	100 UG	38970
Anti-GNA13 Mouse mAb (6F6-B5)		
ST1629-100UGCN	100 UG	38790
Anti-Goat IgG, H&L (Rabbit) POD		
401515-2MLCN	2 ML	19420
Anti-Golgi Apparatus Mouse mAb (AE-6)		
NB37-100UGCN	100 UG	37890

Catalog No.	Pack	Unit Price ₹
Anti-Gqa- and G11a-Sub, C-Term Rb pAb		
371751-50ULCN	50 UL	44710
Anti-Gqa/G11a-Sub Inter (283-300) Rb pAb		
371754-50ULCN	50 UL	43960
Anti-Green Fluorescent Protein Rb pAb		
PC408-100ULCN	100 UL	40350
Anti-GRK6 Mouse mAb (2C3)		
ST1651-100UGCN	100 UG	38790
Anti-Gs alpha-Subunit, Rat (Rabbit)		
371731-50ULCN	50 UL	39450
Anti-Gsa-Sub, C-Term (385-394) Rb pAb		
371732-50ULCN	50 UL	44710
Anti-GSK-3 Beta Rabbit pAb		
PK1111-100UGCN	100 UG	32740
Anti-GSN Mouse mAb (3G5)		
CB1042-100UGCN	100 UG	38030
Anti-GST (Ab-1) Rabbit pAb		
PC53-100UGCN	100 UG	28040
Anti-GST A1-1 Rabbit pAb		
354206-100ULCN	100 UL	40500
Anti-GTAP Rabbit pAb		
CB1015-100UGCN	100 UG	39000
Anti-H+,K+-ATPase a-Sub (1019-34) Rb pAb		
119101-50ULCN	50 UL	41580
Anti-H+,K+-ATPase, a-Sub (1-17) Rb pAb		
119102-50ULCN	50 UL	40500
Anti-HB-EGF (Ab-1) Goat pAb		
PC319L-100UGCN	100 UG	37490
Anti-HDAC 1 (467-482) Rabbit pAb		
PC544-50UGCN	50 UG	34040
Anti-Heme Oxygenase-1 (1-30) Rabbit pAb		
374090-100ULCN	100 UL	45230
Anti-Heme Oxygenase-1 Mouse mAb (HO-1-1)		
374087-200UGCN	200 UG	53560
Anti-HGF Mo mAb (4C12.1)		
GF39-100UGCN	100 UG	37890
Anti-His-Tag Protein Mo mAb (13/45/31/2)		
OB05-100UGCN	100 UG	34870
Anti-Histone H3, Acetylated Rabbit pAb		
382158-50UGCN	50 UG	33660
Anti-Histone H4, Acetylated Rabbit pAb		
382160-50UGCN	50 UG	34190
Anti-HMGA2 Mouse mAb (2D10)		
DR1073-100UGCN	100 UG	38790
Anti-hMre-11 Rabbit pAb		
PC388-100UGCN	100 UG	34190
Anti-HNE Fluorophore Rabbit pAb		
393206-100ULCN	100 UL	42960
Anti-HNE-Michael Adducts, Reduced Rb pAb		
393207-100ULCN	100 UL	42960
Anti-HOCl-Oxidized LDL Rabbit pAb		
428035-100ULCN	100 UL	36810
Anti-HPSE Mouse mAb (4D7)		
ST1611-100UGCN	100 UG	38030

Catalog No.	Pack	Unit Price ₹
Anti-Hsp47 Mouse mAb (M16.10A1) 386023-50UGCN	50 UG	34750
Anti-Hsp70 Mouse mAb (C92F3A-5) 386032-50UGCN	50 UG	33300
Anti-Hsp72/73 (Ab-1) Mouse mAb (W27) HSP01-100UGCN	100 UG	36250
Anti-Hsp90 Mouse mAb (AC88) 386040-50UGCN	50 UG	33440
Anti-Hsp90 Rat mAb (16F1) 386041-50UGCN	50 UG	34870
Anti-Hsp90a Rabbit pAb CA1016-50ULCN	50 UL	24610
Anti-Hsp90alpha Mouse mAb (EMD-17D7) CA1023-50UGCN	50 UG	20950
Anti-hTERT Rabbit pAb PC563-100UGCN	100 UG	35260
Anti-HTT Mouse mAb (3F1) ST1529-100UGCN	100 UG	36810
Anti-Human IgA, alpha-Chain (Goat) POD 401135-2MLCN	2 ML	19420
Anti-Human IgG, gamma Chain (Goat) POD 401445-2MLCN	2 ML	19420
Anti-Human IgG, H&L (Goat) POD 401455-2MLCN	2 ML	18190
Anti-Human IgM, mu Chain (Goat) Alk Phos 401902-1MLCN	1 ML	27880
Anti-ICAM-1 (Ab-2) Mouse mAb (W-CAM-1) CP53-100UGCN	100 UG	36810
Anti-ID1 Mouse mAb (1F7) DR1098-100UGCN	100 UG	41730
Anti-IDE, N-Terminal (97-273) Rabbit pAb PC730-100ULCN	100 UL	42960
Anti-IDE/Insulysin Rabbit pAb ST1120-50UGCN	50 UG	20070
Anti-IGF-I Receptor (Ab-1) Mo mAb (aIR3) GR111L-100UGCN	100 UG	43960
GR11-100UGCN	100 UG	40040
Anti-IGF-IR (Ab-3) Mouse mAb (33255.111) GR31L-100UGCN	100 UG	32010
Anti-IkBa Rabbit pAb 400001-100ULCN	100 UL	40780
Anti-IKKa Mouse mAb (14A231) OP133-100UGCN	100 UG	47920
Anti-IKKb Mouse mAb (10AG2) OP134-100UGCN	100 UG	45430
Anti-IL13RA2 Mouse mAb (2E10) AP1145-100UGCN	100 UG	38010
Anti-IL3 Mouse pAb AP1136-50ULCN	50 UL	38010
Anti-IMPDH2 Mouse mAb (1E12-B6) ST1578-100UGCN	100 UG	38790
Anti-INHBA Rabbit pAb NE1042-100UGCN	100 UG	38790
Anti-INHBA Rabbit pAb CB1030-100UGCN	100 UG	36810

Catalog No.	Pack	Unit Price ₹
Anti-iNOS (1131-1144) Rabbit pAb 482728-100ULCN	100 UL	46930
Anti-Integrin a3 Mouse mAb (P1B5) CP11L-100UGCN	100 UG	38030
Anti-Integrin allb Mouse mAb (283.16B7) 407313-100ULCN	100 UL	34190
Anti-Integrin av (Ab-1) Mo mAb (272-17E6) 407286-100UGCN	100 UG	34190
Anti-Integrin b1 Mouse mAb (4B7) CP26-100UGCN	100 UG	31730
Anti-Integrin b6 Mouse mAb (442.5C4) 407317-100ULCN	100 UL	35420
Anti-Integrinb3 (Ab-1) Mo mAb (290.5C10) 407314-100ULCN	100 UL	34190
Anti-Interleukin-6 Rabbit pAb 407670-1MGCN	1 MG	41980
Anti-IP3 Receptor Mouse mAb (IPR.1) 407140-50UGCN	50 UG	43960
Anti-IP3 Receptor Rabbit pAb 407143-100UGCN	100 UG	42700
Anti-IR (Ab-3) Mouse mAb (29B4) GR07-100UGCN	100 UG	38790
Anti-IR (b-Subunit) Mouse mAb (CT-3) GR36-100UGCN	100 UG	42850
Anti-ITGA7 Mouse mAb (8G2) ST1637-100UGCN	100 UG	37890
Anti-KDEL Mouse mAb (10C3) 420400-50UGCN	50 UG	33440
Anti-KDEL Receptor Mouse mAb (KR-10) 421400-50ULCN	50 UL	55580
Anti-KITLG Mouse mAb (3E10) AP1154-100UGCN	100 UG	36810
Anti-KLF10 Mouse mAb (4G9) DR1122-100UGCN	100 UG	41730
Anti-Klotho Rabbit pAb 423500-50UGCN	50 UG	41440
Anti-Kpnbeta1 Rabbit pAb ST1102-50UGCN	50 UG	21880
Anti-Lamp1 Mouse mAb (LY1C6) 428017-100UGCN	100 UG	69450
Anti-Lamp2 Rat mAb (GL2A7) 428019-200ULCN	200 UL	69450
Anti-LDL Receptor Mouse mAb (15C8) LP02-100UGCN	100 UG	36250
Anti-LEPRE1 Mouse mAb (3C7) ST1622-100UGCN	100 UG	38790
Anti-Lewis b Mouse mAb (T218) 434629-1MLCN	1 ML	41720
Anti-Lewis x Mouse mAb (P12) 434631-1MLCN	1 ML	42940
Anti-Lewis y Mouse mAb (F3) 434636-1MLCN	1 ML	42940
Anti-Lipoic Acid Rabbit pAb 437695-100ULCN	100 UL	41440

Catalog No.	Pack	Unit Price ₹
Anti-LRP, Heavy Chain Mouse mAb (8G1) 438190-100UGCN	100 UG	34870
Anti-LRP, Light Chain Mouse mAb (5A6) 438192-100UGCN	100 UG	33440
Anti-LRP-5/6 (421-431), Human (Mouse) 489475-50UGCN	50 UG	33440
Anti-MAG Mouse mAb (3C7) ST1684-100UGCN	100 UG	37890
Anti-Man 6-Phos Receptor Mo mAb (2G11) 444105-100UGCN	100 UG	37790
Anti-MAOA Rabbit pAb ST1581-100UGCN	100 UG	36810
Anti-MAOB Rabbit pAb ST1582-100UGCN	100 UG	36810
Anti-MAP Kinase ERK1/ERK2 Rabbit pAb 442704-200ULCN	200 UL	42700
Anti-MAP1LC3B Mouse mAb (4E11) CB1028-100UGCN	100 UG	36810
Anti-MAP4K4 Mouse mAb (4A5) ST1641-100UGCN	100 UG	38790
Anti-Mast Cell Tryptase Mouse mAb (AA1) 444905-100UGCN	100 UG	37850
Anti-Matriptase/MT-SP1 Rabbit pAb IM1014-50UGCN	50 UG	21880
Anti-Mcl-1 (Ab-1) Mouse mAb (RC13) AM50-100UGCN	100 UG	37890
Anti-MCM2 Mouse mAb (6A8) DR1080-100UGCN	100 UG	42800
Anti-MDM2 (Ab-1) Mouse mAb (IF2) OP46-100UGCN	100 UG	39000
Anti-MDM2 (Ab-2) Mouse mAb (2A10) OP115-100UGCN	100 UG	39000
Anti-MDM2 (Ab-3) Mouse mAb (4B11) OP143-100UGCN	100 UG	34190
Anti-MDM2 (Ab-4) Mouse mAb (2A9C1.18) OP144-100UGCN	100 UG	34190
Anti-MDM2 (Ab-5) Mouse mAb (4B2C1.11) OP145-100UGCN	100 UG	39000
Anti-MDM2 (Ab-6) Mouse mAb (5B10C) OP146-100UGCN	100 UG	39000
Anti-MFN2 Mouse mAb (4H8) CB1020-100UGCN	100 UG	38790
Anti-MLH1 (Ab-1) Mouse mAb (14) NA28-100UGCN	100 UG	39110
Anti-MLH1 (Ab-2) Rabbit pAb PC56-100UGCN	100 UG	34340
Anti-MMP-1 (Ab-1) Mouse mAb (41-1E5) IM35-100UGCN	100 UG	35420
Anti-MMP-2 (Ab-3) Mouse mAb (42-5D11) IM33-100UGCN	100 UG	35420
Anti-MMP-2 (Ab-4) Mouse mAb (75-7F7) IM51-100UGCN	100 UG	35420
Anti-MMP-2 (Ab-7) Rabbit pAb PC342-100UGCN	100 UG	36650

Catalog No.	Pack	Unit Price ₹
Anti-MMP-2 (Ab-8) Mouse mAb (VB3) IM68-100UGCN	100 UG	42340
Anti-MMP-3 (Ab-1) Mouse mAb (55-2A4) IM36-100UGCN	100 UG	34190
Anti-MMP-7 (Ab-1) Mouse mAb (141-7B2) IM40-100UGCN	100 UG	35420
Anti-MMP-7 (Ab-3) Mouse mAb (ID2) IM71-100UGCN	100 UG	37270
Anti-MMP-9 (Ab-1) Mouse mAb (6-6B) IM09L-100UGCN	100 UG	33660
Anti-MMP-9 (Ab-3) Mouse mAb (56-2A4) IM37-100UGCN	100 UG	36080
Anti-MMP-9 Rabbit pAb 444236-500ULCN	500 UL	36650
ANTI-MOUSE IgG, H&L (RABBIT) POD 402335-2MLCN	2 ML	20650
ANTI-MOUSE IgM, H&L (GOAT) POD 401225-2MLCN	2 ML	20650
ANTI-MS IgG,H&L(GT)POD ADS BO,HO,HU 401253-2MLCN	2 ML	26800
Anti-MSH2 (Ab-1) Mouse mAb (GB12) NA26-100UGCN	100 UG	39110
Anti-MSH2 (Ab-2) Mouse mAb (FE11) NA27-100UGCN	100 UG	37270
Anti-MSH2 (Ab-3) Rabbit pAb PC57-100UGCN	100 UG	34190
Anti-MSH6 Mouse mAb (1F2) DR1106-100UGCN	100 UG	39270
Anti-MSLN Mouse mAb (1A10) ST1660-100UGCN	100 UG	38030
Anti-MT1-MMP (Ab-3) Mouse mAb (114-6G6) IM42-100UGCN	100 UG	35420
Anti-MT1-MMP (Ab-4) Mouse mAb (113-5B7) IM57-100UGCN	100 UG	35420
Anti-MTA3 Rabbit pAb IM1012-50UGCN	50 UG	21880
Anti-mTOR/FRAP (Ab-2) Mouse mAb (22C2) OP97-100UGCN	100 UG	36250
Anti-Myelin Basic Protein Mo mAb(SMI-94) NE1018-100ULCN	100 UL	51580
Anti-Myelin Basic Protein Mo mAb(SMI-99) NE1019-100ULCN	100 UL	42960
Anti-Myelin CNPase Mouse mAb (SMI-91) NE1020-100ULCN	100 UL	37890
Anti-Myeloperoxidase Rabbit pAb 475915-1MLCN	1 ML	19420
Anti-MYH Rabbit pAb PC709-100ULCN	100 UL	41580
Anti-MYL6 Mouse mAb (1D6) CB1032-100UGCN	100 UG	38790
Anti-Myosin Rabbit pAb 476126-500ULCN	500 UL	36810
Anti-Nanog Rabbit pAb SC1000-50UGCN	50 UG	25210

Catalog No.	Pack	Unit Price ₹
Anti-NDE1 Mouse mAb (2G11-1C11) ST1699-100UGCN	100 UG	36810
Anti-NDRG1 Mouse mAb (2D7) AP1160-100UGCN	100 UG	39270
Anti-NDRG2 Mouse mAb (6A5) AP1162-100UGCN	100 UG	36810
Anti-N-Ethylmal-Sens Ftr Mo mAb (NSF-1) NB21-100UGCN	100 UG	35420
Anti-Netrin-1 (Ab-1) Rabbit pAb PC344-100UGCN	100 UG	36620
Anti-Neuropeptide Y Rabbit pAb PC223L-100ULCN	100 UL	40350
Anti-Neutrophil Elastase Rabbit pAb 481001-1MLCN	1 ML	14540
Anti-NF H Non-Phospho Mo mAb (SMI-32) NE1023-100ULCN	100 UL	44520
Anti-NFE2L2 Mouse mAb (1F3) DR1050-100UGCN	100 UG	41730
Anti-NF-kB (p65, RelA) (Ab-2) Rabbit pAb PC138-100ULCN	100 UL	39570
Anti-NGFRAP1 Mouse mAb (4E5) AP1166-100UGCN	100 UG	36810
Anti-Nitrotyrosine Mo mAb (CC22.8C7.3) 487923-50UGCN	50 UG	20950
Anti-NKX2-5 Mouse mAb (1E4-G5) DR1089-100UGCN	100 UG	36810
Anti-NMDAR 2B Rabbit pAb 454582-10UGCN	10 UG	47890
Anti-N-Myc Mouse mAb (NCM II 100) OP13-100UGCN	100 UG	39000
Anti-N-Myc Mouse mAb (NCM II 100) OP13L-100UGCN	100 UG	39000
Anti-NOV Mouse mAb (3C2) ST1633-100UGCN	100 UG	38030
Anti-Noxa Mouse mAb (114C307) OP180-100UGCN	100 UG	44040
Anti-NQO1 Rabbit pAb ST1535-100UGCN	100 UG	38790
Anti-NRG1 Rabbit pAb ST1576-100UGCN	100 UG	36810
Anti-OCN Mouse mAb (1G7) CB1044-100UGCN	100 UG	38030
Anti-OPA1 Rabbit pAb ST1587-100UGCN	100 UG	36810
Anti-Opioid u Receptor Rabbit pAb PC165L-100ULCN	100 UL	49120
Anti-Orexin A (Ab-1) Rabbit pAb PC345-1SETCN	1 SET	37890
Anti-Orexin A (Ab-2) Rabbit pAb PC362-1SETCN	1 SET	36650
Anti-p14ARF (Ab-1) Rabbit pAb PC409-100ULCN	100 UL	32340
Anti-p14ARF (Ab-2) Mouse mAb (14P02) NA70-100UGCN	100 UG	37490

Catalog No.	Pack	Unit Price ₹
Anti-p16 (Ab-1) Mouse mAb (DCS-50.1/H4) NA29-100UGCN	100 UG	36250
Anti-p19ARF (54-75) Rat mAb (5-C3-1) CB1012-50UGCN	50 UG	19660
Anti-p19ARF (Ab-1) Rabbit pAb PC435-100ULCN	100 UL	60280
Anti-p21WAF1 (Ab-1) Mouse mAb (EA10) OP64-100UGCN	100 UG	39110
OP64-20UGCN	20 UG	13260
Anti-p21WAF1 (Ab-3) Mouse mAb (DF10) OP68-100UGCN	100 UG	32450
Anti-p21WAF1 (Ab-4) Mouse mAb (65) OP76-100UGCN	100 UG	34190
Anti-p21WAF1 (Ab-6) Mouse mAb (22) OP79-100UGCN	100 UG	39110
Anti-p21WAF1 Mo mAb (EA10) FITC Conj. OP64F-100UGCN	100 UG	47580
Anti-p27kip-1 (Ab-2) Mouse mAb (DCS72) NA35-100UGCN	100 UG	34190
Anti-P2X4 Receptor Rabbit pAb PC376-100UGCN	100 UG	32590
Anti-P2X7 Receptor Rabbit pAb 506107-1SETCN	1 SET	34140
Anti-p300 Mouse mAb (NM-11) NA46-100UGCN	100 UG	36250
Anti-p38 MAP Kinase Rabbit pAb 506123-200ULCN	200 UL	41440
Anti-p38 MAPK (pThr180,Tyr182) Rb pAb 506119-10TCN	10 T	45230
Anti-p40 Rabbit pAb PC373-100ULCN	100 UL	30880
Anti-p53 (Ab-3) (Mutant) Mo mAb (PAb240) OP29-100UGCN	100 UG	39000
OP29-200UGCN	200 UG	41730
OP29L-100UGCN	100 UG	34190
Anti-p53 (Ab-7) (Pantropic) Sheep pAb PC35-1EACN	1 EA	44040
Anti-p53 (Pan) Mo mAb (DO-1) Agar Conj OP43A-.5MLCN	0.5 ML	47890
Anti-p53 (Pantropic) Mo mAb (DO-1) OP43-100UGCN	100 UG	41730
OP43-20UGCN	20 UG	13260
OP43L-100UGCN	100 UG	39000
Anti-p53 (Pantropic) Mo mAb (DO-7) OP140-100UGCN	100 UG	39000
Anti-p53 (Pantropic) Mo mAb (PAb1801) OP09-100UGCN	100 UG	34190
OP09-200UGCN	200 UG	42660
Anti-p53 (Pantropic) Mo mAb (PAb1802) OP104L-100UGCN	100 UG	39000
Anti-p53 (Pantropic) Mo mAb (PAb421) OP03-20UGCN	20 UG	13260
OP03-100UGCN	100 UG	37270
OP03L-100UGCN	100 UG	37270
Anti-p53 (Wild type) Mo mAb (PAb1620) OP33-20UGCN	20 UG	12040
OP33-100UGCN	100 UG	39000

Catalog No.	Pack	Unit Price ₹
Anti-p53 (Wild type) Mo mAb (PAb246)	100 UG	39000
OP32-100UGCN		
Anti-p53 Binding Protein 1 (Ab-1) Rb pAb	100 UL	40890
PC712-100ULCN		
Anti-p73 (Ab-1) Mouse mAb (ER-13)	100 UG	39000
OP108-100UGCN		
Anti-p73 (Ab-2) Mouse mAb (ER-15)	100 UG	34190
OP109-100UGCN		
Anti-p75 Neurotrophin Receptor Rb pAb	100 UL	48810
NE1024-100ULCN		
Anti-PAFAH1B1 Mouse mAb (2C12)	100 UG	36810
AP1170-100UGCN		
Anti-PAI-1 (Ab-1) Mouse mAb (2)	100 UG	30880
IM29L-100UGCN		
Anti-PAI-1 (Ab-3) Mouse mAb (7)	100 UG	37490
IM31L-100UGCN		
Anti-PAI-1 (MA-33B8) Mouse mAb (MA-33B8)	100 UG	32340
528215-100UGCN		
Anti-PAI-1 Mouse mAb (MA-33H1F7)	100 UG	34870
528217-100UGCN		
Anti-PAN TORC (1-42) Rabbit pAb	50 UL	20950
ST1098-50ULCN		
Anti-Pan-NMDA NR1 Mouse mAb (R1JHL)	15 UG	46650
454578-15UGCN		
Anti-Pan-Ras (Ab-1) Mo mAb (DWP)	100 UG	36250
OP38-100UGCN		
Anti-Pan-Ras (Ab-1) Mouse mAb (F132-62)	100 UG	38790
OP21-100UGCN		
Anti-Pan-Ras (Ab-3) Mouse mAb (RAS 10)	100 UG	38790
OP40-100UGCN		
Anti-Pan-Ras Asp12 (Ab-1) Rabbit pAb	100 UG	33600
PC10L-100UGCN		
Anti-PAPPA Mouse mAb (1G3)	100 UG	38030
ST1714-100UGCN		
Anti-PAR (Ab-1) Mouse mAb (10H)	100 UG	40890
AM80-100UGCN		
Anti-PAR Rabbit pAb	100 UL	45270
528815-100ULCN		
Anti-Parvalbumin Rabbit pAb	100 UL	40890
PC255L-100ULCN		
Anti-PAX7 Mouse mAb (1E12)	100 UG	39270
DR1094-100UGCN		
Anti-PCK1 Mouse mAb (3E4)	100 UG	36810
ST1508-100UGCN		
Anti-PCK2 Rabbit pAb	100 UG	36810
ST1509-100UGCN		
Anti-PCNA (Ab-1) Mouse mAb (PC10)	200 UG	37270
NA03-200UGCN		
Anti-PCNA (Ab-5) Rabbit pAb	50 UL	34190
PC474-50ULCN		
Anti-PDCD7 Mouse mAb (3H5)	100 UG	38030
AP1164-100UGCN		
Anti-PDGF (Ab-1) Rabbit pAb	100 UG	33600
PC21-100UGCN		

Catalog No.	Pack	Unit Price ₹
Anti-PDK2 Mouse mAb (2G1)	100 UG	38790
ST1643-100UGCN		
Anti-PDLIM7 Mouse mAb (2D6)	100 UG	38030
ST1698-100UGCN		
Anti-PGC-1 alpha Mouse mAb (4C1.3)	1 SET	44040
ST1202-1SETCN		
Anti-PGC-1, C-Term (777-797) Rabbit pAb	100 UL	44040
516557-100ULCN		
Anti-P-Glycoprotein Mouse mAb (C219)	500 UL	49460
517310-500ULCN		
Anti-P-Glycoprotein Mouse mAb (C494)	500 UL	53560
517312-500ULCN		
Anti-PGP9.5 Rabbit pAb	50 UL	25570
NE1013-50ULCN		
Anti-PIP5K3 Mouse mAb (6C7)	100 UG	38790
ST1517-100UGCN		
Anti-PKD2 Rabbit pAb	50 UG	24930
ST1042-50UGCN		
Anti-Plk1 Mouse mAb (35-206)	50 UG	23640
DR1037-50UGCN		
Anti-PL-Scramblase Rabbit pAb	100 UG	37890
PC367-100UGCN		
Anti-PLTP Mouse mAb (2F3-G4)	100 UG	38790
NE1040-100UGCN		
Anti-PLZF Mouse mAb (2A9)	10 UG	12040
OP128-10UGCN		
OP128-100UGCN	100 UG	39000
OP128L-100UGCN	100 UG	39000
Anti-Polyoma Virus T Antigen Mo mAb (F4)	100 UG	35420
DP10L-100UGCN		
Anti-PON1 Mouse mAb (2H7)	100 UG	41610
AP1155-100UGCN		
Anti-Porin (Ab-5) Rabbit pAb	50 UG	29270
PC548-50UGCN		
Anti-PP2A/A (7-19) (PR65) Rabbit pAb	100 UL	43960
539509-100ULCN		
Anti-PP2A/Ba (14-27) (PR55) Rabbit pAb	100 UL	43960
539521-100ULCN		
Anti-PP2Ba (482-494) Rabbit pAb	100 UL	43960
539530-100ULCN		
Anti-PR (Ab-1) Mouse mAb (PR4-12)	100 UG	34190
GR18-100UGCN		
Anti-Protein Disulfide Isomerase Rb pAb	50 UL	30880
539229-50ULCN		
Anti-Protein Kinase C Mo mAb (MC5)	100 UG	36250
OP74-100UGCN		
Anti-PSD-95 (Ab-2) Mouse mAb (7E3-1B8)	100 UL	40890
CP35-100ULCN		
Anti-PTB Protein (Ab-1) Mouse mAb (SH54)	100 UG	39110
NA63-100UGCN		
Anti-PTHLP (Ab-2) Rabbit pAb	100 UG	35420
PC09-100UGCN		
Anti-PTP, T Cell (Ab-1) Mo mAb (CF4-1D)	100 UG	36250
PH03L-100UGCN		

Catalog No.	Pack	Unit Price ₹
Anti-PTPase 1B (Ab-1) Mouse mAb (FG6-1G)	100 UG	34620
PH01-100UGCN		
Anti-PTPase 1B (Ab-2) Mouse mAb (AE4-2J)	100 UG	36250
PH02-100UGCN		
Anti-PUMA (Ab-1) Rabbit pAb	100 UG	35420
PC686-100UGCN		
Anti-Rab18 Rabbit pAb	50 UL	41440
552126-50ULCN		
Anti-Rab5 Rabbit pAb	50 UL	41440
552108-50ULCN		
Anti-Rab9 Mouse mAb (mab9)	100 UL	41980
552101-100ULCN		
Anti-Rabbit IgG (Goat) Biotin Conjugate	200 UG	9570
OS03B-200UGCN		
Anti-Rad51 (Ab-1) Rabbit pAb	100 UL	35220
PC130-100ULCN		
Anti-Ras (31-43) Rabbit pAb	50 UG	26650
553571-50UGCN		
Anti-Rat IgG (Goat) Peroxidase Conjugate	200 UG	16950
DC01L-200UGCN		
Anti-Rb (Ab-5) Mouse mAb (LM95.1)	100 UG	26800
OP66-100UGCN		
Anti-RDX Mouse mAb (1E12)	50 UG	38030
CB1041-50UGCN		
Anti-RECK Rabbit pAb	100 UG	38030
ST1627-100UGCN		
Anti-Reelin (40-189) Mouse mAb (142)	100 UL	37890
553730-100ULCN		
Anti-Relaxin 2 Rabbit pAb	100 UG	40380
553850-100UGCN		
Anti-RENT1 Goat pAb	100 UG	45460
DR1015-100UGCN		
Anti-RP-A (Ab-1) Mouse mAb (RPA70-9)	100 UG	39110
NA13-100UGCN		
Anti-RP-A (Ab-2) Mouse mAb (RPA34-19)	100 UG	39110
NA18-100UGCN		
Anti-RP-A (Ab-3) Mouse mAb (RPA34-20)	100 UG	39110
NA19L-100UGCN		
Anti-rSec6 Mouse mAb (9H5)	50 UG	31250
559240-50UGCN		
Anti-Ryanodine Receptor Mo mAb (C3-33)	100 UG	41420
NR07-100UGCN		
Anti-S100A4 Mouse mAb (1F12-1G7)	100 UG	42800
CB1039-100UGCN		
Anti-S100A7 Mouse mAb (1A4)	100 UG	36810
CB1036-100UGCN		
Anti-S100A9 Rabbit pAb	100 UG	38010
CB1022-100UGCN		
Anti-S100B Mouse mAb (1B2)	100 UG	36810
CB1040-100UGCN		
Anti-SAA1 Mouse mAb (3C11-2C1)	100 UG	38010
ST1506-100UGCN		
Anti-SALL4 Mouse mAb (6E3)	100 UG	36810
DR1052-100UGCN		

Catalog No.	Pack	Unit Price ₹
Anti-SAPK/JNK Rabbit pAb 559304-200ULCN	200 UL	41440
Anti-SERCA2 ATPase(MoAb) 564702-100ULCN	100 UL	45460
Anti-Serotonin (5-HT) Transporter Rb pAb PC177L-100ULCN	100 UL	49120
Anti-Serotonin 2A (5-HT _{2A}) Recptr Rb pAb PC176-100ULCN	100 UL	49120
Anti-Serotonin 3 (5-HT ₃) Receptor Rb pAb PC347-1SETCN	1 SET	35420
Anti-Serum Amyloid P Component Rb pAb 565191-1MLCN	1 ML	25570
Anti-Shc Rabbit pAb ST1033-50UGCN	50 UG	33600
Anti-Sialyl Lewis a Mouse mAb (KM231) 565942-100UGCN	100 UG	52830
Anti-Sialyl Lewis x Mouse mAb (KM93) 565953-100UGCN	100 UG	50360
Anti-SIGIRR Mouse mAb (3H8-2G3) ST1681-200ULCN	200 UL	38030
Anti-SIRPa1, C-Terminal (487-503) Rb pAb 566310-100UGCN	100 UG	39450
Anti-SKP1A Mouse mAb (1H8) ST1709-100UGCN	100 UG	38790
Anti-SLC3A2 Rabbit pAb ST1678-100UGCN	100 UG	38010
Anti-Smac/DIABLO (222-237) Rabbit pAb 567365-100UGCN	100 UG	34190
Anti-SMAD7 Mouse mAb (4E1) ST1625-100UGCN	100 UG	38030
Anti-SMG1 Rabbit pAb DR1035-50UGCN	50 UG	24350
Anti-SMO Mouse mAb (1D9) ST1718-100UGCN	100 UG	36810
Anti-SOCS3 Mouse mAb (1E4) DR1058-100UGCN	100 UG	38030
Anti-SOD (Cu/Zn Enzyme) Sheep pAb 574597-1MLCN	1 ML	24000
Anti-SOD (Mn Enzyme) Sheep pAb 574596-1MLCN	1 ML	23110
Anti-Sox2 Mouse mAb (245610) SC1002-100UGCN	100 UG	40350
Anti-SPG3A Mouse mAb (1B9) ST1617-100UGCN	100 UG	38790
Anti-SPINK1 Rabbit pAb AP1142-100UGCN	100 UG	39270
Anti-SQSTM1 Mouse mAb DR1057-100UGCN	100 UG	38030
Anti-SQSTM1 Mouse pAb DR1056-50UGCN	50 UG	37890
Anti-STAT3 Rabbit pAb 569388-100ULCN	100 UL	41730
Anti-Stathmin Rabbit pAb 569391-100ULCN	100 UL	39270

Catalog No.	Pack	Unit Price ₹
Anti-STMN1 Rabbit pAb CB1047-100UGCN	100 UG	37890
Anti-Survivin Rabbit pAb 574660-50UGCN	50 UG	36080
Anti-SV40 T Ag Mo mAb (PAb416) Agar conj DP02A-0.5MLCN	0.5 ML	47890
Anti-SV40 T Antigen Mo mAb (PAb280) DP14L-100UGCN	100 UG	35420
Anti-SV40 T Antigen Mo mAb (PAb416) DP02-200UGCN	200 UG	36810
Anti-SV40 T Antigen Mo mAb (PAb419) DP01-100UGCN	100 UG	36650
Anti-Synapsin I Rabbit pAb 574777-10UGCN	10 UG	41730
Anti-Synapsin I Rabbit pAb 574778-50ULCN	50 UL	45430
Anti-Synaptophysin Mouse mAb (SP15) 573822-50ULCN	50 UL	31750
Anti-Syntaxin 4 Rabbit pAb 574788-1SETCN	1 SET	32960
Anti-TACE (807 - 823) Rabbit pAb PC491-100UGCN	100 UG	35540
Anti-TAL2 Mouse mAb (1G6) ST1670-100UGCN	100 UG	38030
Anti-TANK Rabbit pAb ST1608-100UGCN	100 UG	38030
Anti-TARDBP Mouse mAb (2E2-D3) DR1075-100UGCN	100 UG	36810
Anti-Tau Mouse mAb (TAU-5) 577801-100UGCN	100 UG	46930
Anti-TBK1 Mouse mAb (108A429) AM76-100UGCN	100 UG	40110
Anti-Telomerase (Ab-1) Rabbit pAb 582000-100ULCN	100 UL	41730
Anti-Telomerase (Ab-2) Rabbit pAb 582005-100ULCN	100 UL	41730
Anti-TFAM Rabbit pAb DR1071-100UGCN	100 UG	39000
Anti-TGF-α (Ab-1) Mouse mAb (134A-2B3) GF06-100UGCN	100 U	27160
Anti-TGF-α (Ab-2) Mouse mAb (213-4.4) GF10-100UGCN	100 UG	28090
Anti-TGF-β3 (Ab-1) Mouse mAb (236-5.2) GF16-200UGCN	200 UG	27310
Anti-Thrombospondin (Ab-3) Mo mAb (A6.1) BA24-100UGCN	100 UG	35330
Anti-Tiam1 Rabbit pAb ST1070-50UGCN	50 U	21880
Anti-Tie1, C-Terminal Rabbit pAb 610200-50UGCN	50 UG	41440
Anti-Tie2 Mouse mAb (Ab33) 610205-50UGCN	50 UG	25770
Anti-TIMP-1 (Ab-1) Mouse mAb (7-6C1) IM32-100UGCN	100 UG	35420

Catalog No.	Pack	Unit Price ₹
Anti-TIMP-3 Mouse mAb (136-13H4) IM43-100UGCN	100 UG	36810
Anti-TIP60 Rabbit pAb DR1041-50ULCN	50 UL	20380
Anti-Tissue Factor Mouse mAb (TF9-10H10) 612161-500UGCN	500 UG	68880
Anti-TLR4 Mouse mAb (1H7) AP1179-100UGCN	100 UG	39270
Anti-TLR5 Mouse mAb (4F7) AP1180-100UGCN	100 UG	38030
Anti-TLR7 Mouse mAb (2C9) AP1181-100UGCN	100 UG	38030
Anti-TMPRSS2 Mouse mAb (2F4) ST1676-100UGCN	100 UG	38790
Anti-TNFRSF14 Mouse mAb (2G6-2C7) AP1159-100UGCN	100 UG	38030
Anti-TNFRSF1B Rabbit pAb AP1157-100UGCN	100 UG	38030
Anti-TNFSF14 Mouse mAb (4E3) AP1168-100UGCN	100 UG	38030
Anti-TNNI2 Rabbit pAb CB1048-100UGCN	100 UG	38030
Anti-TNNT2 Mouse mAb (3H4-F7) CB1027-100UGCN	100 UG	38030
Anti-TNS4 Mouse mAb (3B8) AP1167-100UGCN	100 UG	38030
Anti-TOMM20 Mouse mAb (4F3) ST1705-100UGCN	100 UG	38790
Anti-TOMM22 Mouse mAb (4G4) ST1704-100UGCN	100 UG	38790
Anti-Topoisomerase II Mo mAb (SWT3D1) NA14-100UGCN	100 UG	39110
Anti-TORC2 (454-607) Rabbit pAb ST1099-50ULCN	50 UL	22650
Anti-TP53BP2 Mouse mAb (3F8) AP1163-50UGCN	50 UG	38030
Anti-tPA (Ab-1) Mouse mAb (GMA-043) GF53-100UGCN	100 UG	27150
Anti-TR (Ab-1) Mouse mAb (T56/14) GR08L-100UGCN	100 UG	31510
Anti-TR (Ab-2) Mouse mAb (42/6) GR09L-100UGCN	100 UG	38790
Anti-TRAIL, C-Terminal (261-277) Rb pAb 616378-100UGCN	100 UG	37890
Anti-Transglutaminase II Rabbit pAb 616465-500ULCN	500 UL	36810
Anti-TRB3 Rabbit pAb ST1032-100ULCN	100 UL	38240
Anti-TRPA1 Mouse mAb (6G8) ST1685-100UGCN	100 UG	36810
Anti-Trypsin Rabbit pAb 650297-1MLCN	1 ML	41440
Anti-Tryptase Rabbit pAb 650367-500UGCN	500 UG	42940

Catalog No.	Pack	Unit Price ₹
Anti-TUBB2A Mouse mAb (2B2) CB1052-100UGCN	100 UG	39270
Anti-Tumor Necrosis Factor- α Rabbit pAb 654250-1MGCN	1 MG	50670
Anti-TWIST1 Mouse mAb (3E11) DR1087-100UGCN	100 UG	38010
Anti-TWIST1 Rabbit pAb DR1088-100UGCN	100 UG	37040
Anti-TXNDC4 Mouse mAb (3C7) ST1613-100UGCN	100 UG	38790
Anti-Tyrosine Hydroxylase Rabbit pAb 657012-100ULCN	100 UL	42830
Anti-Ubiquitin Mouse mAb ST1200-100UGCN	100 UG	34870
Anti-Ubiquitin Rabbit pAb 662099-50ULCN	50 UL	30950
Anti-UCP-1 (145-159) Rabbit pAb 662045-100ULCN	100 UL	43960
Anti-UCP-2 (144-157) Rabbit pAb 662047-100ULCN	100 UL	43960
Anti-UCP-3 (147-159) Rabbit pAb 662048-100ULCN	100 UL	46000
Anti-UHRF1 Mouse mAb (3A11) DR1047-100UGCN	100 UG	38790
Anti-ULK1 Mouse mAb ST1521-100UGCN	100 UG	38790
Anti-uPA (Ab-1) Mouse mAb (5) IM13L-100UGCN	100 UG	34620
Anti-uPA (Ab-3) Mouse mAb (16) IM15L-100UGCN	100 UG	36250
Anti-Vanilloid Recptr Like Prot-1 Rb pAb PC421-1SETCN	1 SET	35420
Anti-Vasopressin Rabbit pAb PC234L-100ULCN	100 UL	36650
Anti-VCP Mouse mAb (4A8) ST1553-100UGCN	100 UG	38030
Anti-VEGF (Ab-3) Mouse mAb (14-124) GF25-100UGCN	100 UG	36250
Anti-VEGF (Ab-4) Rabbit pAb PC315-500UGCN	500 UG	38790
Anti-VEGF Receptor 1 Goat pAb PC322L-100UGCN	100 UG	57570
Anti-v-Fes Rat mAb (F-113) OP02-100UGCN	100 UG	36250
Anti-v-H-Ras (Ab-1) Rat mAb (Y13-259) OP01-100UGCN	100 UG	38790
Anti-v-H-Ras Rt mAb (Y13-259) Agar Conj OP01A-0.5MLCN	0.5 ML	48690
Anti-Vimentin/LN6 (Ab-1) Mouse mAb (V-9) IF01-100UGCN	100 UG	31730
Anti-Vinculin Mouse mAb (V284 or VLN01) CP74-100UGCN	100 UG	41270
Anti-Vitamin D Recptr Rt mAb (9A7gE10.4) GR37-100UGCN	100 UG	38790

Catalog No.	Pack	Unit Price ₹
Anti-v-Src (Ab-1) Mouse mAb (327) OP07-100UGCN	100 UG	30880
OP07L-100UGCN	100 UG	38800
Anti-WARS Mouse mAb (3A12) DR1126-100UGCN	100 UG	38030
Anti-WARS Rabbit pAb DR1125-100UGCN	100 UG	38030
Anti-Wilm's Tumor Protein Rabbit pAb CA1026-50ULCN	50 UL	29270
Anti-WIPI1 Mouse mAb (3C1) ST1505-100UGCN	100 UG	38790
Anti-XRCC1 Rabbit pAb DR1103-100UGCN	100 UG	42800
Anti-YWHAG Mouse mAb (6A10) ST1598-100UGCN	100 UG	38790
Apolipoprotein A-I, Human Plasma, HDL 178452-500UGCN	500 UG	19140
Apolipoprotein A-II, Human Plasma, HDL 178455-500UGCN	500 UG	27630
Apolipoprotein B, Human Plasma, LDL 178456-500UGCN	500 UG	27630
Apolipoprotein C-II, Human Plasma, VLDL 178462-50UGCN	50 UG	28910
Apolipoprotein C-III, Human Plasma, VLDL 178461-100UGCN	100 UG	30190
Apolipoprotein E, Human Plasma, VLDL 178468-50UGCN	50 UG	32890
Ascorbate Oxidase, Cucurbita sp. 189724-1000UCN	1000 U	8570
a-Synuclein A53T, Hu., Recom 575003-200UGCN	200 UG	49130
a-Synuclein, Human, Recombinant, E. coli 575001-200UGCN	200 UG	41580
Atrial Natriuretic Factor 1-28, Human 05-23-0300-0.5MGCN	0.5 MG	21880
05-23-0300-1MGCN	1 MG	40500
Aurora A, His*Tag and S*Tag, Human Rec., 481413-10UGCN	10 UG	37890
Avidin, Egg White 189725-10MGCN	10 MG	8350
189725-100MGCN	100 MG	46650
Avidin, Fluorescein Conjugate 189727-1MLCN	1 ML	18190
Avidin, Peroxidase Conjugate 189728-2MLCN	2 ML	20650
b1,2-Xylosidase, Xanthomonas sp. 684274-500MIUCN	500 MIU	40720
b1,3-Galactosidase, Recomb., E. coli 345795-500UCN	500 U	41440
b1,4-Galactosidase, S. pneumoniae, Recom 345806-50MIUCN	50 MIU	38160
b1-2,3,4,6-N-Ac-glucosaminidase, Recom 110116-1UCN	1 U	40720
b1-3,6-Galactosidase, Recom 345804-2UCN	2 U	38160

Catalog No.	Pack	Unit Price ₹
b2-Microglobulin, HU., Recom 475828-1MGCN	1 MG	73060
b2-Microglobulin, Human Urine 475823-100UGCN	100 UG	10800
475823-250UGCN	250 UG	21880
BACE-1, His-Tag, Human, Recombinant PF125-50UGCN	50 UG	41580
B-Amyloid Peptide (1-42), Human PP69-.25MGCN	0.25 MG	26420
b-Amyloid Peptide (1-42), Rat 171596-250UGCN	250 UG	34190
BCIP/NBT 203790-100MLCN	100 ML	7310
Bcl-2, C-Terminal Truncated, Recomb., PF126-50UGCN	50 UG	52810
Betacellulin, Human, Recombinant 200496-10UGCN	10 UG	45590
Betacellulin, Mouse, Recombinant 200497-25UGCN	25 UG	42100
Beta-Glucuronidase {Helix pomatia} 347420-1MUCN	1 MU	32890
Beta-Interferon, Hu., Recom, CHO Cells 407318-2UGCN	2 UG	19140
407318-10UGCN	10 UG	45230
b-Galactosidase, E. coli 345788-5MGCN	5 MG	17980
b-Insulin Receptor Kinase, Hu., Recom 407697-20UGCN	20 UG	53060
Biotin, Fluorescein Conjugate 343222-1MGCN	1 MG	14490
Biotin-NHS 203112-250MGCN	250 MG	31730
Biotin-NHS, Water-Soluble 203118-50MGCN	50 MG	14490
Biotin-X-NHS 203188-25MGCN	25 MG	8540
203188-50MGCN	50 MG	15730
Biotin-X-NHS, Water-Soluble 203189-50MGCN	50 MG	57230
Ca ²⁺ /CaMK II, α -Sub., Rat, Recom 208706-5000UCN	5000 U	31480
Calcitonin Gene-Related Peptide-I, Human 05-23-2404-1MGCN	1 MG	43960
Calcitonin, Human 05-23-2402-0.5MGCN	0.5 MG	13260
Calcitonin, Salmon 05-23-2401-25MGCN	25 MG	56500
Calmodulin, Biotinylated, Bovine Brain 208697-50UGCN	50 UG	29560
Calmodulin, Biotinylated, Porcine Brain 208780-100UGCN	100 UG	31510
Calmodulin, Bovine Brain 208690-1MGCN	1 MG	31510
208690-5MGCN	5 MG	119540

Catalog No.	Pack	Unit Price ₹
Calmodulin, Bovine Brain, High Purity		
208694-1MGCN	1 MG	19990
208694-5MGCN	5 MG	56770
Calmodulin, His*Tag fusion		
208670-50UGCN	50 UG	12180
Calmodulin, Human Brain		
208698-500UGCN	500 UG	32890
Calmodulin, Porcine Brain		
208783-1MGCN	1 MG	25350
Calpain-1, Human Erythrocytes		
208713-500UGCN	500 UG	63220
Calpain-1, Porcine Erythrocytes		
208712-1MGCN	1 MG	57570
Calpain-2, Porcine Kidney		
208715-1MGCN	1 MG	54050
Carcinoembryonic Antigen, C. Adenocarcin		
219369-100UGCN	100 UG	45430
Carcinoembryonic Antigen, Human Tumor		
219368-25UGCN	25 UG	21880
Casein Kinase II, alpha 2, Hu., Recom		
218709-10UGCN	10 UG	26210
Casein Kinase II, a-Subunit, Recom		
218704-10MIUCN	10 MIU	35460
Casein Kinase II, Human, Recomb.		
218701-10KUCN	10 KU	31480
Casein, Bovine Milk		
218680-25GMCN	25 GM	4700
218680-100GMCN	100 GM	13420
Casein, Bovine Milk		
218682-100GMCN	100 GM	8540
218682-500GMCN	500 GM	20930
Casein-alpha, His*Tag fusion		
218683-50UGCN	50 UG	20650
Caspase-1, Human, Recom.		
218783-3000UCN	3000 U	47890
Caspase-10, Human, Recomb.		
218785-3000UCN	3000 U	49120
Caspase-2, Human, Recombinant		
218813-100UCN	100 U	52810
Caspase-3, Human, Recombinant, E. coli		
235417-5000UCN	5000 U	44040
Caspase-5, Human, Recombinant, E. coli		
218725-3000UCN	3000 U	42410
Caspase-6, Human, Recombinant, E. coli		
218799-100UCN	100 U	47890
Caspase-7, Human, Recombinant, E. coli		
218800-100UCN	100 U	40500
Caspase-8, Human, Recombinant, E. coli		
218769-3000UCN	3000 U	51580
Caspase-9, Human, Recombinant, E. coli		
218807-100UCN	100 U	51580
Catalase, Aspergillus niger		
219261-100KUCN	100 KU	6070
Catalase, Bovine Liver		
219001-5MUCN	5 MU	8540

Catalog No.	Pack	Unit Price ₹
Catalase, Human Erythrocytes		
219008-1MGCN	1 MG	14360
Cathepsin B, Bovine Spleen		
219366-10UCN	10 U	22810
Cathepsin B, Human Liver		
219362-50UGCN	50 UG	39270
Cathepsin B, Human Liver		
219364-5UCN	5 U	25570
Cathepsin D, Bovine Spleen		
219396-1000UCN	1000 U	49120
Cathepsin D, Human Liver		
219401-15UCN	15 U	37890
219401-30UCN	30 U	49340
Cathepsin G, Human Neutrophil		
219373-100MIUCN	100 MIU	16770
Cathepsin H, Human Liver		
219404-25UGCN	25 UG	26800
CATHEPSIN K,HIS*TAG,HU,RECOM,E.COLI		
219461-25UGCN	25 UG	26800
Cathepsin L, Human Liver		
219402-25UGCN	25 UG	33660
Cathepsin S, Hu., Recom		
219343-25UGCN	25 UG	31730
Cathepsin S, Human Spleen		
219344-25UGCN	25 UG	37890
Cathepsin V, HisTag, Hu., Rec., NSO Cell		
219467-10UGCN	10 UG	55270
CDP-STAR SUBSTRATE		
69086-3CN	40 ml	21900
Ceruloplasmin, Human Plasma		
239799-1MGCN	1 MG	33300
Chitosanase, Streptomyces sp. N174		
220477-10UCN	10 U	22730
Chlorophenolred-b-D-galactopyranoside		
220588-250MGCN	250 MG	15570
Cholesterol Esterase, Microbial		
228180-1000UCN	1000 U	30190
Cholesterol Oxidase, Nocardia sp.		
228230-100IUCN	100 IU	13660
Cholesterol Oxidase, Streptomyces sp.		
228250-500UCN	500 U	42700
Chorionic Gonadotropin, Iodination Gr.		
869031-100UGCN	100 UG	13260
Chorionic Gonadotropin, Std. Gr.		
230734-1MGCN	1 MG	7110
230734-2.5MGCN	2.5 MG	14340
c-Kit,CytoplasmicDom,HisTag,Hu,Rec,S.fru		
422690-10UGCN	10 UG	54870
Coagulation Factor a-XIIa, Human Plasma		
233493-500UGCN	500 UG	67290
Coagulation Factor IX, Human Plasma		
233279-100UCN	100 U	70690
Coagulation Factor V, Human Plasma		
219365-100UGCN	100 U	69550

Catalog No.	Pack	Unit Price ₹
Coagulation Factor VIIa, Human Plasma		
219370-10UGCN	10 UG	44070
Coagulation Factor X, Human Plasma		
233282-100UCN	100 U	52940
Coagulation Factor Xa, Human Plasma		
233526-10UCN	10 U	22200
Coagulation Factor XI, Human Plasma		
233480-100UGCN	100 UG	40720
Coagulation Factor XIa, Human Plasma		
233483-100UGCN	100 UG	42700
Coagulation Factor XII, Human Plasma		
233490-500UGCN	500 U	46770
Coagulation Factor XIII, Human Plasma		
233501-100UGCN	100 UG	42700
Cobra Venom Factor		
233552-1MGCN	1 MG	48860
COCO, Human, Recombinant		
233553-50UGCN	50 UG	46720
Collagenase, Type I, C, histolyticum		
234153-100MGCN	100 MG	8300
234153-1GMCN	1 GM	32450
Collagenase, Type II, C, histolyticum		
234155-100MGCN	100 MG	8540
Collagenase, Type III, C, histolyticum		
234134-250UCN	250 U	26800
Complement C1, Human		
204873-200UGCN	200 UG	27630
Complement C1-Esterase Inhibitor, Human		
204883-1MGCN	1 MG	40720
Complement C1q, Human		
204876-1MGCN	1 MG	36870
Complement C1r, HU.		
204878-250UGCN	250 UG	34180
Complement C1s, HU.		
204879-250UGCN	250 UG	34180
Complement C2, Human		
204882-50UGCN	50 UG	39450
Complement C3, Human		
204885-250UGCN	250 UG	26650
Complement C3a des-Arg, Human		
204884-50UGCN	50 UG	34180
Complement C3a, Human		
204881-50UGCN	50 UG	32890
Complement C3b, Human		
204860-250UGCN	250 UG	38160
Complement C3d, Human		
204870-100UGCN	100 UG	42700
Complement C4, Human		
204886-250UGCN	250 UG	40720
Complement C4b, Human		
204897-250UGCN	250 UG	34180
Complement C5, Human		
204888-250UGCN	250 UG	40720
Complement C5a des-Arg, Human		
204902-30UGCN	30 UG	41440

Catalog No.	Pack	Unit Price ₹
Complement C5a, HisTag, Hu., Recom		
234397-100UGCN	100 UG	69550
Complement C5b,6 Complex, Human		
204906-50UGCN	50 UG	36870
Complement C8, Human		
204896-250UGCN	250 UG	39450
Complement C9, Human		
204910-250UGCN	250 UG	35460
Complement iC3b, Human		
204863-250UGCN	250 UG	42700
Complement, Guinea Pig Serum		
234395-5MLCN	5 ML	14720
Complement, Rabbit Serum		
234400-5MLCN	5 ML	28930
Concanavalin A, Canavalia ensiformis		
234567-250MGCN	250 MG	15970
234567-1GMCN	1 GM	91500
C-Reactive Protein, Hu., Recom		
236608-1MGCN	1 MG	27630
C-Reactive Protein, Human Ascites		
236600-1MGCN	1 MG	32890
C-Reactive Protein, Serum, High Purity		
236603-100UGCN	100 UG	10980
Creatine Phosphokinase, Porcine Heart		
238395-5KUCN	5 KU	13660
Creatine Phosphokinase, Skeletal Muscle		
2384-20MGCN	20 MG	13660
Creatine Phosphokinase-MM Isoenzyme		
238407-50IUCN	50 IU	16330
Cytochrome c, Equine Heart		
250600-100MGCN	100 MG	13150
250600-1GMCN	1 GM	67750
D-(+)-Biotin		
2031-1GMCN	1 GM	10030
DAB, Tetrahydrochloride		
281751-10MLCN	10 ML	13150
Dkk-1, His-Tag, Mouse, Recombinant		
371206-10UGCN	10 UG	46720
Dkk-1, Mouse, Recombinant		
371207-10UGCN	10 UG	46720
Dkk-1, Rat, Recombinant		
371208-10UGCN	10 UG	46720
Dkk-2, Mouse, Recombinant		
371209-10UGCN	10 UG	46720
DNP-Albumin Conjugate, Bovine		
324101-100MGCN	100 MG	13260
DNP-Hemocyanin Conjugate, Keyhole Limpet		
324121-100MGCN	100 MG	13260
EDN3 monoclonal antibody (M01), clone2A4		
ST1513-100UGCN	100 UG	38030
Elastase, Human Neutrophil		
324681-50UGCN	50 UG	24000
324681-100UGCN	100 UG	40890
Elastase, Porcine Pancreas, H.P.,Crystal		
324682-250UCN	250 U	13260
324682-1000UCN	1000 U	44190

Catalog No.	Pack	Unit Price ₹
Elastase, Pseudomonas aeruginosa		
324676-100UGCN	100 UG	42960
EMI-1 Rabbit pAb		
CB1018-50UGCN	50 UG	37790
Endo-a-N-acetylgalactosaminidase, Recom		
324716-50MIUCN	50 MIU	38160
Endo-beta-Galactosidase, Rec.		
345811-50ULCN	50 UL	45430
Endoglycosidase F1, Recomb.		
324725-700MIUCN	700 MIU	40720
Endoglycosidase F2, Recomb.		
324726-200MIUCN	200 MIU	38160
Endoglycosidase F3, Recomb.		
324727-200MIUCN	200 MIU	40720
Endoglycosidase H, S. plicatus, Recomb.		
324717-200MIUCN	200 MIU	22730
Endothelin 1, Human and Porcine		
05-23-3800-0.1MGCN	0.1 MG	13660
Endothelin 1, Human and Porcine		
05-23-3800-0.5MGCN	0.5 MG	40720
05-23-3800-1MGCN	1 MG	60280
Endothelin 3, Human and Rat		
05-23-3801-0.5MGCN	0.5 MG	39450
Eosinophil Peroxidase, Human		
374096-50UGCN	50 UG	50670
Epiregulin, Human, Recombinant		
324903-25UGCN	25 UG	48500
Epiregulin, Mouse, Recombinant		
324904-50UGCN	50 UG	48500
Erythropoietin, Hu., Recom, CHO Cell		
329871-50UGCN	50 UG	15930
Estrogen Receptor-b, Human, Recombinant		
330657-750PMOLCN	750 PMOL	66610
Exoenzyme C3, Clostridium botulinum		
341208-50UGCN	50 UG	51580
Factor B, Human		
341262-250UGCN	250 UG	38160
Factor D, Human		
341273-25UGCN	25 UG	38160
Factor H, Human		
341274-250UGCN	250 UG	57910
Factor I, Human		
341280-250UGCN	250 UG	47920
Factor P, Human		
341283-250UGCN	250 UG	48690
Fas Ligand Plus, Human, Recombinant		
PF092-5UGCN	5 UG	65490
Fas Ligand, Human, Recombinant		
PF033-10UGCN	10 UG	60960
FASTsilver Gel Staining Kit		
341298-1KITCN	1 KIT	28350
Ferritin, Apo-, Equine Spleen		
178440-100MGCN	100 MG	24350
Ferritin, Human Liver		
341482-1MGCN	1 MG	57420

Catalog No.	Pack	Unit Price ₹
Fibrinogen, Bovine Plasma		
341573-1GMCN	1 GM	18460
Fibrinogen, Fragment D, Human Plasma		
341600-200UGCN	200 UG	20070
Fibrinogen, Human Plasma		
341576-100MGCN	100 MG	6040
341576-1GMCN	1 GM	27150
Fibrinogen, Plasminogen-Depleted, Plasma		
341578-500MGCN	500 MG	14720
FKBP12, GST-Fusion, Human, Recombinant,		
325902-60UGCN	60 UG	29560
FPTase, GST-Fusion, HisTag, Rat, Recom		
344146-100UGCN	100 UG	59500
FPTase, Rat, Recomb., E. coli		
344145-100UGCN	100 UG	47920
Freund's Complete Adjuvant, Modified		
344289-1SETCN	1 SET	16770
Freund's Incomplete Adjuvant, Modified		
344291-10MLCN	10 ML	5880
FSH, Hu. Pituitary, Iodination		
869001-10UGCN	10 UG	16330
869001-50UGCN	50 UG	51390
Gamma-Interferon, Mouse, Recom		
407320-20UGCN	20 UG	18830
407320-100UGCN	100 UG	50470
Gamma-Interferon, Rat, Recom		
407321-100UGCN	100 UG	49140
Gastrin I, Human		
05-23-2301-1MGCN	1 MG	30190
Gc-Globulin, Mixed Type, Human Plasma		
345802-1MGCN	1 MG	17670
GDF-5, Mouse, Recombinant		
345731-50UGCN	50 UG	52620
GDF-8 Propeptide, His-Tag, Mouse, Recomb		
345749-25UGCN	25 UG	46720
GDF-8/Myostatin, Human, Mouse, Rat, Reco		
345762-10UGCN	10 UG	52080
GDF-9, Mouse, Recombinant		
345763-10UGCN	10 UG	46720
GeranylgeranyltransferaseI,GST-Fusion,Hi		
345852-50UGCN	50 UG	43960
GGT1 monoclonal antibody (M01), clone1F9		
ST1551-100UGCN	100 UG	37890
GH, Hu. Pituitary, Iodination Gr.		
869008-50UGCN	50 UG	21300
869008-100UGCN	100 UG	39450
g-Interferon, Human, Recomb.		
407306-100UGCN	100 UG	46000
g-Interferon, Mouse, Recomb., E. coli		
407303-20UGCN	20 UG	42700
g-Interferon, Rat, Recomb., E. coli		
407304-10UGCN	10 UG	41410
Glucagon, Human		
05-23-2700-0.1MGCN	0.1 MG	9510
05-23-2700-0.5MGCN	0.5 MG	21300

Catalog No.	Pack	Unit Price ₹
Glucagon-Like Peptide 1 Receptor Agonist 346006-5MGCN	5 MG	26470
Glucosylase, Rhizopus sp. 172426-5KUCN	5 KU	23410
Glucose Oxidase, A. niger, Recom 345386-10KUCN	10 KU	7360
Glucose-6-phosphate Dehydrogenase 346774-500UCN	500 U	7360
Glutaredoxin-S2, E. coli</i> 354406-1MGCN	1 MG	56440
Glutathione Reductase, Yeast 359960-600UCN	600 U	27630
GMC-S Factor, Mouse, R. 234374-10UGCN	10 UG	46620
Goat Anti-Human IgA, a-Chain Specific 401125-5MLCN	5 ML	19420
Goat Anti-Human IgA, a-Chain Specific Alkaline Phosphatase Conjugate 401132-1MLCN	1 ML	25570
Goat Anti-Human IgE, e-Chain Specific 411520-1MLCN	1 ML	12040
Goat Anti-Human IgG, H&L Chain Specific 401954-1MLCN	1 ML	12040
Goat Anti-Mouse IgG AP Conjugate DC05L-200UGCN	200 UG	19190
GOAT ANTI-MOUSE IgG AP CONJUGATE 69266-3CN	40 ul	7920
GOAT ANTI-MOUSE IgG HRP CONJUGATE 71045-3CN	40 ul	7920
Goat Anti-Mouse IgG Peroxidase Conjugate DC02L-200UGCN	200 UG	11940
GOAT ANTI-RABBIT AP CONJUGATE 69265-3CN	40 UL	9490
Goat Anti-Rabbit g-Globulin 539844-125UCN	125 U	10800
Goat Anti-Rabbit IgG Peroxidase Conj. DC03L-200UGCN	200 UG	13150
Gonadotropin, Pregnant Mare Serum 367222-1000IUCN	1000 IU	10030
367222-5000IUCN	5000 IU	29110
G-Protein Subunit Antibody Set 371770-1STCN	1 ST	57610
G-Protein,b/g-Subunit, Bovine Brain 371768-1250NGCN	1250 NG	40720
G-Proteins, Bovine Brain, Functional 371739-50UGCN	50 UG	45230
Granzyme A, Human, Recombinant, E. coli 368044-10UGCN	10 UG	48810
Granzyme B, Human, Recombinant, E. coli 368043-10UGCN	10 UG	46930
g-SecretaseInhibXXXIII, A beta42-Selective 565792-5MGCN	5 MG	25650
GSK 3beta, His*Tag, HU.. Recom 361524-100UGCN	100 UG	55730

Catalog No.	Pack	Unit Price ₹
GSK 3beta-Isozyme, Recom E. coli 361526-5KUCN	5 KU	46620
Gst*Tag Monoclonal Antibody 71097-3CN	50 UG	24350
71097-4CN	250 ug	78370
Gt Anti-Hu IgG, g-Chain Specific APC 401442-1MLCN	1 ML	29110
Gt Anti-Hu IgM, u-Chain Sp. HRP Conj. 401905-2MLCN	2 ML	20650
Gt Anti-Mo IgG, H&L b-galactosidase Conj 401607-1MLCN	1 ML	23110
Gt Anti-Mo IgG, H&L Chain Spec HRP Conj. 401215-2MLCN	2 ML	22950
Gt Anti-Mo IgG, H&L Chain Specific 401211-1MLCN	1 ML	14490
Gt Anti-Rb IgG, H&L Chain Sp HRP Conj 401315-2MLCN	2 ML	21730
Gt Anti-Rb IgG, H&L Chain Sp HRP Conj 401393-2MLCN	2 ML	27630
Gt Anti-Rb IgG, H&L Chain Sp HRP Conj 401353-2MLCN	2 ML	26420
Gt Anti-Rt IgG, H&L Chain Sp FITC Conj 401414-2MLCN	2 ML	13150
Gt Anti-Rt IgG, H&L Chain Sp HRP Conj 401416-2MLCN	2 ML	19420
HABP,Bovine Nasal Cartilage,Biotinylated 385911-50UGCN	50 UG	29420
Haptoglobin, Mixed Type, Human Plasma 372022-1MGCN	1 MG	10840
Hemocyanin, Keyhole Limpet, Glycerol 374817-50MGCN	50 MG	8350
374817-250MGCN	250 MG	31730
374817-1GMGCN	1 GM	112980
Hemocyanin, Keyhole Limpet, Solid 374805-250MGCN	250 MG	23110
374805-1GMGCN	1 GM	60960
Hemoglobin, Bovine Erythrocytes 374834-10GMGCN	10 GM	9970
Hemoglobin, Bovine Erythrocytes 3745-5GMGCN	5 GM	9770
Heparin Cofactor II, Human Plasma 375115-100UGCN	100 UG	50470
Hexokinase, Yeast 376811-2500IUCN	2500 IU	13660
HGF, Mouse, Recombinant 375230-25UGCN	25 UG	42100
His*Tag Antibody HRP Conjugate Kit 71840-3CN	125 ul	51470
His*Tag Antibody Plate 71184-4CN	5 plate	40450
His*Tag Ap Western Reagents 70972-3CN	25 blots	39110
His*Tag Monoclonal Antibody 70796-3CN	50 ug	68880
70796-4CN	250 ug	6070

Catalog No.	Pack	Unit Price ₹
Histone Deacetylase 6, GST-Fusion,Hu,Rec 382180-50UGCN	50 UG	55120
Histone Deacetylase 8, His*Tag, Human Re 382184-50UGCN	50 UG	55120
Histone Deacetylase, Rat Liver 382165-2MLCN	2 ML	44040
Histone H1, Calf Thymus 382150-1MGCN	1 MG	10920
382150-5MGCN	5 MG	32450
Hsp90, Human 385898-50UGCN	50 UG	51700
Hsp90alpha, His-Tag, Human, Recombinant 385901-20UGCN	20 UG	21300
Hsp90beta, His-Tag, Human, Recombinant 385903-20UGCN	20 UG	22730
HSV*TAG MONOCLONAL Ab 69171-3CN	40 UG	19380
69171-4CN	200 ug	66610
Human IgA1, Myeloma 400109-500UGCN	500 UG	19660
Human IgA2, Myeloma 400110-500UGCN	500 UG	19140
Human IgE, Myeloma 401152-100UGCN	100 UG	36870
Human IgG1, Myeloma 400120-2MGCN	2 MG	23640
Human IgG2, Myeloma 400122-2MGCN	2 MG	23640
Human IgG4, Myeloma 400126-1MGCN	1 MG	25350
Human IgM, Myeloma 401108-1MGCN	1 MG	9510
Hyaluronic Acid Binding Protein, Bov. 385910-100UGCN	100 UG	29270
Hyaluronidase, Bovine Testes 385931-25KUCN	25 KU	38240
Hyaluronidase, Ovine Testes 38594-100KUCN	100 KU	19990
Hyaluronidase, S. hyaluronolyticus nov. 389561-100UGCN	100 U	13660
Hybridoma Subtyping Kit, Mouse 386445-1KITCN	1 KIT	38480
Insulin, Hu., Zinc, Recom, P. pastoris 407709-50MGCN	50 MG	17250
Interleukin-10, Human, Recomb. 407700-5UGCN	5 UG	45230
Interleukin-12, Human, Recomb. 407711-5UGCN	5 UG	52250
Interleukin-13, Human, Recomb. 407715-5UGCN	5 UG	52250
Interleukin-1a, Human, Recomb. 407611-2UGCN	2 UG	37040
Interleukin-1b, Human, Recomb. 407615-5UGCN	5 UGCN	47880

Catalog No.	Pack	Unit Price ₹
Interleukin-1b, Mouse, Recomb. 407617-5UGCN	5 UG	45230
Interleukin-2, Human, Recomb. 407623-10UGCN	10 UG	45230
Interleukin-3, Mouse, Recomb. 407631-10UGCN	10 UG	46620
Interleukin-6 Receptor, Soluble, Recomb. 407653-25UGCN	25 UG	60230
Interleukin-6, Human, Recomb. 407652-10UGCN	10 UG	50530
Interleukin-6, Mouse, Recomb. 407654-5UGCN	5 UG	45230
Interleukin-8, Human, Recomb. 407673-10UGCN	10 UG	30190
Isopeptidase T, Rabbit 419700-25UGCN	25 UG	44160
Kallikrein, Human Plasma 420307-50UGCN	50 UG	26800
Kininogen, HMW, Single Chain, Hu. Plasma 422686-1MGCN	1 MG	54290
KLH, BES/Mg2+ Buffer 374807-250MGCN	250 MG	27720
KLH, High Purity, EF, Glycerol 374813-25MGCN	25 MG	34190
KLH, Megathura crenulata, High Purity 374825-25MGCN	25 MG	19700
Lactate Dehydrogenase, Porcine Heart 427211-50KUCN	50 KU	20990
Lactate Dehydrogenase, Rabbit Muscle 427217-25KUCN	25 KU	14720
Lactoperoxidase, Bovine Milk 427489-500UCN	500 U	22730
Leptin, Human, Recomb. 429700-1MGCN	1 MG	35460
Leptin, Mouse, Recomb. 429705-1MGCN	1 MG	38160
429705-5MGCN	5 MG	104390
LH, Hu. Pituitary, Iodination Gr. 869003-10UGCN	10 UG	12180
869003-50UGCN	50 UG	45230
Lipase, Chromobacterium viscosum 437707-100KUCN	100 KU	18460
Lipocortin-I, His*Tag fusion 437621-50UGCN	50 UG	12180
Lipocortin-II, His*Tag fusion 437622-50UGCN	50 UG	12180
Lipoproteins, High Density, Human Plasma 437641-10MGCN	10 MG	22730
Lipoproteins, Low Density, Human Plasma 437644-10MGCN	10 MG	21300
Lipoproteins, Very Low Density, Plasma 437647-5MGCN	5 MG	24040
L-Leucine Dehydrogenase, Bacillus cereus 431525-100UCN	100 U	13660
Lumican, His-Tag, CF, Mouse, Recombinant 440319-50UGCN	50 UG	48500

Catalog No.	Pack	Unit Price ₹
Malate Dehydrogenase, Porcine Heart 442610-10KUCN	10 KU	7360
MAP Kinase, Mouse, Recomb., E. coli 454850-2000UCN	2000 U	39450
MAPKinase 2, HisTag, Hu, Rec, E. coli 454854-5UGCN	5 UG	41440
MAPKinase 1, HisTag, Hu., Rec, E. coli 454849-2.5UGCN	2.5 UG	43960
MEK-1, Active, Human, Rec., E. coli 475702-10UGCN	10 UG	40720
MET, GST-Fusion, Human, Rec. 325885-10UGCN	10 UG	50470
Methylated Ubiquitin, Human, Recombinant 662065-1MGCN	1 MG	13780
Mitochondrial OXPHOS (Hu) Antibody Cocktail ACMT001-360UGCN	360 UG	79050
Mitochondrial OXPHOS (Rdt) Antibody Cocktail ACMT002-300UGCN	300 UG	79050
MKK6, Active, Human, Rec., E. coli 475701-20UGCN	20 UG	40720
MMP/TIMP Family Antibody Sampler Kit I ASK10-1EACN	1 EA	44190
MMP-1 Proenzyme, Human 444208-5UGCN	5 UG	26800
MMP-13, Human, Recombinant, Active 444287-5UGCN	5 UG	46650
MMP-13, Proenzyme, HisTag, Hu., Recomb. 444248-10UGCN	10 UG	58700
MMP-2 Proenzyme, Human 444213-5UGCN	5 UG	20650
MMP-2, Active, Human, Recombinant PF023-5UGCN	5 UG	37270
MMP-2, Mouse Calvariae PF118-5UGCN	5 UG	25570
MMP-2, Proenzyme, Human, Recombinant PF037-10UGCN	10 UG	39690
MMP-3, Catalytic Domain, Hu., Recomb. 444217-5UGCN	5 UG	35420
MMP-3, Proenzyme, Human PF063-10UGCN	10 UG	40040
MMP-7, Active, Hu., Recomb. 444270-100UGCN	100 UG	39270
MMP-7, Proenzyme, Human, Recomb. E. coli 538540-100UGCN	100 UG	36810
MMP-8, Human Neutrophil 444229-5UGCN	5 UG	25570
MMP-9, Dimer, Human Neutrophil 444232-5UGCN	5 UG	14490
MMP-9, Hu., Recomb, Active (67 kDa) PF140-5UGCN	5 UG	38030
MMP-9, Human, Recombinant (83 kDa) PF024-5UGCN	5 UG	37270
MMP-9, Monomer, Human Neutrophil 444231-5UGCN	5 UG	26800
MMP-9, Proenzyme, Human, Recombinant PF038-10UGCN	10 UG	36080

Catalog No.	Pack	Unit Price ₹
MMP-9-Lipocalin Complex, Hu. Neutrophil 444233-5UGCN	5 UG	22950
MMP-9-Lipocalin-TIMP-1 Complex, Hu. Neut. 444234-5UGCN	5 UG	25570
Mo Anti-Hu IgG, Fc Frag Sp. HRP Conj. 411550-500UGCN	500 UG	32960
Mo Anti-Hu IgG1, Fc Frag Sp. (HP6069P) 411451-400UGCN	400 UG	24350
Mo Anti-Hu IgG1, Fc Frag Sp. (HP6070) 411455-400UGCN	400 UG	25570
Mo Anti-Hu IgG1, Fc Frag Sp. Bio Conj 411543-200UGCN	200 UG	20650
Mo Anti-Hu IgG1, Fc Fragment Sp APC 401459-250UGCN	250 UG	40350
Mo Anti-Hu IgG2, Fc Fragment Sp APC 401462-250UGCN	250 UG	39270
Mo Anti-Hu IgG3, Hinge Sp. Bio Conj 411483-200UGCN	200 UG	19420
Mo Anti-Hu IgG4, Fc Frag Sp. (HP6025) 411492-400UGCN	400 UG	12040
Monocyte Chemotactic Protein-1, Recomb. 475901-10UGCN	10 UG	37890
Mouse Anti-Human IgA, Secretory, HP6141 411423-400UGCN	400 UG	29110
MT1-MMP, Catalytic Domain, Hu., Recomb. 475935-10UGCN	10 UG	63220
MT2-MMP, Catalytic Domain, Hu., Recomb. 475938-10UGCN	10 UG	54050
MT5-MMP Catalytic Domain, His-Tag, Rec. PF117-10UGCN	10 UG	55270
mTOR, Human, Recombinant, S. frugiperda 475987-10UGCN	10 UG	57910
Myeloperoxidase, Polymorphonuclear Leuko 475911-100UGCN	100 UG	18030
Myokine, Yeast 475941-1KUCN	1 KU	9510
N-Ac-D-glucosaminyl-b1,4-N-Ac-muramyl-L- 110150-5MGCN	5 MG	26800
NADH Oxidase, Bacillus licheniformis 481925-5UCN	5 U	33660
NADPH-P450 Oxidoreductase, HU., Recomb. 481974-200UGCN	200 UG	51270
Natriuretic Peptide C-Type Human+Porcine 05-23-0310-0.5MGCN	0.5 MG	18030
05-23-0310-1MGCN	1 MG	29270
Neuropeptide Y, Human 05-23-2005-0.5MGCN	0.5 MG	30190
05-23-2005-1MGCN	1 MG	46620
N-Glycosidase A, Almond 362180-5MIUCN	5 MIU	39450
N-Glycosidase F C meningosepticum, Recomb. 362300-1SETCN	1 SET	41410
N-Glycosidase F, C. meningosepticum 362185-100UCN	100 U	31480
Nitric Oxide Synthase, Inducible, Recomb. 482777-50UCN	50 U	46650

Catalog No.	Pack	Unit Price ₹
Normal Donkey Serum, Sterile 566460-5MLCN	5 ML	9510
Normal Goat IgG NI02-100UGCN	100 UG	9510
Normal Goat Serum NS02L-1MLCN	1 ML	6700
Normal Goat Serum, Lyophilized Solid 566380-10MLCN	10 ML	19140
Normal Guinea Pig Serum, Lyo. Solid 566400-5MLCN	5 ML	15020
Normal Mouse IgG NI03-100UGCN	100 UG	9510
Normal Mouse Serum NS03L-1MLCN	1 ML	6700
Normal Rabbit IgG NI01-100UGCN	100 UG	9510
Normal Rabbit Serum NS01L-1MLCN	1 ML	6700
Normal Rabbit Serum, Lyophilized Solid 869019-5MLCN	5 ML	8170
Normal Rat IgG NI04-100UGCN	100 UG	9510
NRG1 Isoform SMDF, Human, Recombinant 492027-25UGCN	25 UG	45110
NRG1-beta1/HRG1-beta 1 ECD, Human, Recombinant 492028-50UGCN	50 UG	45110
NRG1-beta1/HRG1-beta1 EGF Domain, Human, Recombinant 492029-50UGCN	50 UG	45110
Nus*Tag Monoclonal Antibody 71127-3CN	50 UG	23090
Oncostatin M, Hu., Recombinant 496260-10UGCN	10 UG	40780
o-Phenylenediamine, DiHCl, 10-mg Tablets 523121-1EACN	1 EA	14490
Osteocalcin, Bovine Bone 499250-50UGCN	50 UG	54870
Osteocalcin, Bovine Bone 499050-100UGCN	100 UG	38160
Osteopontin, HisTag, Mo, Rec, Mo 499260-50UGCN	50 UG	45460
p34cdk1/Cyclin B, Hu. Recombinant 506114-200UCN	200 U	35460
p38a, HisTag, Human, Recombinant, E. coli 559324-20UGCN	20 UG	50530
p53 Antibody Sampler Kit ASK07-1EACN	1 EA	44190
p53, HisTag, Human, Recombinant, E. coli 506165-10UGCN	10 UG	51420
PACAP 27 Amide, Ovine 05-23-2151-0.5MGCN	0.5 MG	30190
PACAP 38, Ovine 05-23-2150-0.1MGCN	0.1 MG	12180
PACAP 38, Ovine 05-23-2150-1MGCN	1 MG	57610
PAK1, GST-Fusion, Human, Recombinant 325889-10UGCN	10 UG	69550
Pam3Cys-Ser-Lys4, HCl 506350-2MGCN	2 MG	27630

Catalog No.	Pack	Unit Price ₹
PANSORBIN Cells 507858-1GMCN	1 GM	7310
PANSORBIN Cells 507858-5GMCN	5 GM	31730
PANSORBIN Cells 507858-10GMCN	10 GM	45430
PANSORBIN Cells 507858-50GMCN	50 GM	150310
PANSORBIN Cells, Lyophilized 507862-1GMCN	1 GM	9570
PANSORBIN Cells, Lyophilized 507862-5GMCN	5 GM	35420
PANSORBIN Cells, Standardized 507861-25MLCN	25 ML	19420
PANSORBIN Cells, Standardized 507861-50MLCN	50 ML	30490
Parathyroid Hormone 1-34, Human 05-23-5501-1MGCN	1 MG	30880
Parathyroid Hormone 1-34, Rat 512585-100UGCN	100 UG	14390
PD Anti-ATM (pSer1981) Mo mAb (10H11.E12) DR1002-50UGCN	50 UG	25570
PD Anti-c-Abl (pTyr245) Rabbit pAb PK1013-50ULCN	50 UL	29690
PD Anti-Cdk1 (pTyr15) Rabbit pAb 219440-100ULCN	100 UL	50820
PD Anti-Chk1 (pSer317) Rabbit pAb DR1025-50ULCN	50 UL	26650
PD Anti-c-Raf (pTyr340, Tyr341) Rb pAb 553009-10TCN	10 T	47730
PD Anti-EGFR (pTyr1173) Mouse mAb (9H2) 324864-1SETCN	1 SET	51390
PD Anti-EGFR (pTyr845) Rabbit pAb 324865-10TCN	10 T	52080
PD Anti-EGFR (pTyr1068) Rabbit pAb 324867-10TCN	10 T	48210
PD Anti-FAK (pTyr397) Rabbit pAb 341292-10TCN	10 T	49510
PD Anti-FAK (pTyr861) Rabbit pAb PS1008-100ULCN	100 UL	50730
PD Anti-Fos (pSer374) Mouse mAb (34E4) ST1029-1SETCN	1 SET	54880
PD Anti-GSK 3b (pSer9) Mouse mAb (2D3) 361527-1SETCN	1 SET	52080
PD Anti-GSK-3a/b (pTyr279/216) Rb pAb ST1013-10TCN	10 T	52080
PD Anti-H2AX (pSer139) Rabbit pAb DR1017-100UGCN	100 UG	45720
PD Anti-Histone H3 (pSer10) Rabbit pAb 382159-50UGCN	50 UG	34190
PD Anti-IR (pTyr1162/1163) Rabbit pAb 407707-10TCN	10 T	46770
PD Anti-JAK1 (pTyr1022/1023) Rabbit pAb 420092-10TCN	10 T	48210
PD Anti-JAK2 (pTyr1007/1008) Rabbit pAb PS1014-100ULCN	100 UL	45460
PD Anti-JNK1&2 (pThr183/pTyr185) Rb pAb PS1019-100ULCN	100 UL	45460
PD Anti-MAPK ERK1/2 (pT202/Y204) Mo mAb 442706-1SETCN	1 SET	52080
PD Anti-MAPK ERK1/2 (pT202/Y204) Rb pAb 442685-100ULCN	100 UL	44520

Catalog No.	Pack	Unit Price ₹
PD Anti-NBS1 (pSer343) Rabbit pAb PC635-50ULCN	50 UL	30490
PD Anti-Neurofilament-H Mo mAb (SMI-31) NE1022-100ULCN	100 UL	42100
PD Anti-NMDA NR2B (pTyr1472) Rabbit pAb 454583-100ULCN	100 UL	49120
PD Anti-p53 (pSer15) (Ab-3) Rabbit pAb PC386-50ULCN	50 UL	39000
PD Anti-p53 (pSer15) (Ab-6) Rabbit pAb PC461-25ULCN	25 UL	39000
PD Anti-Paxillin (pSer178) Rabbit pAb ST1069-50UGCN	50 UG	35420
PD Anti-PDGFR Receptor-b(pTyr751) Rb pAb PK1008-50ULCN	50 UL	29690
PD Anti-PKR (pThr451) Rabbit pAb 527460-10TCN	10 T	52080
PD Anti-SAPK/JNK (pThr183, Tyr185) Rb pAb 559309-10TCN	10 T	46770
PD Anti-Shc/p66 (pSer36) Mo mAb (6E10) 566807-1SETCN	1 SET	52940
PD Anti-Smad2 (pSer465/467) Rabbit pAb 566415-50ULCN	50 UL	34340
PD Anti-Src (pTyr418) Mouse mAb (9A6) 569372-100UGCN	100 UG	50820
PD Anti-Src Family (pTyr416) Rabbit pAb PK1109-50ULCN	50 UL	30700
PD Anti-STAT6 (pTyr641) Rabbit pAb 575143-100ULCN	100 UL	52810
PD Anti-Syk (pTyr525/526) Rabbit pAb PK1010-50ULCN	50 UL	29690
PD Anti-Tau (pSer396) Rabbit pAb 577815-10TCN	10 T	47580
PD Anti-Tie2 (pAb-1) Rabbit pAb PC449-25ULCN	25 UL	32340
PD Anti-Tie2 (pTyr1108/1117) Rb pAb PC450-25ULCN	25 UL	36250
PD Anti-TrkA (pTyr490) Rabbit pAb 625725-100ULCN	100 UL	44180
PD Anti-Tyk2 (pTyr1054/1055) Rabbit pAb 656000-100ULCN	100 UL	49400
PD Anti-Tyr Mo mAb (PY20) Perox Conjugate 525320-100UGCN	100 UG	41580
PD Anti-Tyrosine Mouse mAb (PY20) 525295-100UGCN	100 UG	40350
PD Anti-Tyrosine Rabbit pAb 525290-100UGCN	100 UG	46350
PD Anti-VASP (pSer157) Mouse mAb (5C6) 676604-100UGCN	100 UG	54050
PD Anti-VASP (pSer239) Mouse mAb (16C2) 676602-100UGCN	100 UG	54050
PD Anti-VEGFR 2/3 (pAb-1) Rabbit pAb PC460-25ULCN	25 UL	38790
PD Anti-VEGF-R1 (pAb-2) Rabbit pAb PC459-25ULCN	25 UL	32340

Catalog No.	Pack	Unit Price ₹
PD Anti-VEGFR2 (pTyr1054/1059) Rb pAb PS1013-10TCN	10 T	48210
PDCD4 Rabbit pAb AP1065-50ULCN	50 UL	37890
PDK1, His-Tag, Recombinant 521270-5UGCN	5 UG	58920
Pentraxin3/TSG-14, Mouse, Recombinant 516355-25UGCN	25 UG	46720
PERK, GST-Fusion, Human, Recomb. E.coli 324881-5UGCN	5 UG	28930
PGC-1 alpha Rabbit Polyclonal Ab ST1204-100ULCN	100 UL	42830
PGC-1 Mouse mAb (1F39) ST1203-100ULCN	100 UL	45430
Phenylphosphate, Disodium Salt 516798-25GMCN	25 GM	8350
Phosphatase, Acid, Potato 524529-1KUCN	1 KU	33440
Phosphatase, Alkaline, Calf Intestine 524572-1KUCN	1 KU	4830
Phosphatase, Alkaline, Calf Intestine 524572-5KUCN	5 KU	19990
Phosphatase, Alkaline, E. coli 524545-100UCN	100 U	59150
Phosphatase, Alkaline, Human Placenta 524604-100UCN	100 U	25350
PhosphoDetect Anti-Anti-Smad3 (pSer423/4) PS1023-50ULCN	50 UL	30490
PhosphoDetect Anti-PDH-E1alpha (pSer 300) AP1064-50UGCN	50 UG	37790
PhosphoDetect Anti-PDH-E1alpha (pSer232) AP1063-50UGCN	50 UG	40380
PhosphoDetectAnti-PDH-E1a(pSer293)RabpAb AP1062-50ULCN	50 UL	37520
PhosphoDetectAnti-RhoA(pSer188)RabbitpAb PS1089-100ULCN	100 UL	45430
Phosphodiesterase 10A2, HisTag, Human, R 524739-10UCN	10 U	34750
Phosphodiesterase 3A, Active, Human, Rec 524742-10UCN	10 U	33980
Phosphodiesterase 3B, HisTag, Human, Rec 524734-10UCN	10 U	37490
Phosphodiesterase 4A4, HisTag, Human, Re 524731-10UCN	10 U	37490
Phosphodiesterase 4B2, HisTag, Human, Re 524736-10UCN	10 U	37490
Phosphodiesterase 4D3, HisTag, Human, Re 524733-10UCN	10 U	37490
Phosphodiesterase 5, Hu., Recomb 524738-10UCN	10 U	37790
Phosphodiesterase 7A1, Human, Recombinan 524751-10UCN	10 U	36060
Phosphodiesterase, Type V, cGMP-Specific 524715-50ULCN	50 UL	36870
Phosphoenolpyruvate Carboxylase, Z. mays 524810-100UCN	100 U	12310

Catalog No.	Pack	Unit Price ₹
Phospholipase C, Bacillus cereus 525186-250UCN	250 U	39450
Phospholipase C-gamma-1, His*Tag fusion 525188-50UGCN	50 UG	24040
Phospholipase C-gamma-2, His*Tag fusion 525189-50UGCN	50 UG	24040
Phospholipase D, S. chromofuscus 525200-250UCN	250 U	26210
PKA, Catalytic Sub, Mouse, Recomb 539481-100KUCN	100 KU	39450
PKA, HisTag, Active, Hu., Recomb 539482-50UGCN	50 UG	42700
PKC, Catalytic Subunit, Rat Brain 539513-200NGCN	200 NG	34180
PKC, HisTag, Hu, Rec, S. frugiperda 539677-5UGCN	5 UG	44160
Plasmin, EACA- and Lysine-Free, Plasma 527624-10UCN	10 U	32090
Plasmin, Human Plasma 527621-10UCN	10 U	27150
Plasmin, Human, Recombinant 527622-1MGCN	1 MG	83460
Plasminogen, EACA-Et Lys-Free, Hu. Plasma 528178-50UCN	50 U	34750
Plasminogen, Glu-Type, Human Plasma 528180-1MGCN	1 MG	34180
Plasminogen, Human Plasma 528175-120UCN	120 U	30880
Plasminogen, Lys-Type, Human Plasma 528185-1MGCN	1 MG	37040
Platelet Factor 4, Human Platelets 521726-100UGCN	100 UG	38160
PIGF-2, Mouse, Recombinant 506171-10UGCN	10 UG	48500
PIK2,GST-Fusion,Human,Recombinant,S.frug 346104-10UGCN	10 UG	38160
PP1, a-Isoform, Rb, Recomb 539493-100UCN	100 U	39450
PP2C, alpha-Isoform, HisTag, Hu, Rec, E.coli 539569-50UGCN	50 UG	40720
Prekallikrein, Human Plasma 529583-1MGCN	1 MG	67750
Prion Protein, HisTag, Hu., Recomb 530006-100UGCN	100 UG	57420
Procathepsin K, Hu., Recomb 342001-10UGCN	10 UG	37890
Progranulin, CF, Mouse, Recombinant 537009-50UGCN	50 UG	44090
Prolactin, Human Pituitary, Iodin. Grade 869039-5UGCN	5 UG	36870
Prostate Specific Antigen, Active 539834-100UGCN	100 UG	42100
Prostate Specific Antigen, Hu. Seminal 539832-100UGCN	100 UG	41730

Catalog No.	Pack	Unit Price ₹
Protein A, Alkaline Phosphatase 539251-1MGCN	1 MG	21880
Protein A, Biotin Conj 203195-2MGCN	2 MG	14490
Protein A, Peroxidase 539253-1MGCN	1 MG	15560
Protein A, Staphylococcus aureus 539202-5MGCN	5 MG	16770
Protein G, Alkaline Phosphatase Conj 539305-500UGCN	500 UG	19420
Protein G, Peroxidase Conj 539322-500UGCN	500 UG	18190
Protein G, Recomb. 539303-1MGCN	1 MG	10800
539303-5MGCN	5 MG	41730
Protein Kinase A, Catalytic Subunit, Bov 539576-25UGCN	25 UG	45230
Protein Kinase C, Rat Brain 539494-50ULCN	50 UL	38240
Protein Kinase Cbl, Hu., Recomb 539655-20UGCN	20 UG	55640
Protein Kinase Cd, Hu., Recomb 539672-5UGCN	5 UG	39450
Protein Kinase Cepsilon, HU., Recomb 539660-20UGCN	20 UG	62150
Protein Kinase G, I alpha, Bovine Lung 539578-4UGCN	4 UG	38800
Protein Phosphatase 2A1, Bovine Kidney 539508-1UGCN	1 UG	32010
539508-5UGCN	5 UG	67290
Protein Phosphatase 2A2, Bovine Kidney 539510-1UGCN	1 UG	42700
Protein Phosphatase 2B, Human, Recomb. 539568-5000UCN	5000 U	46770
Protein Phosphatase, Lambda, Recomb. 539514-20KUCN	20 KU	34180
Protein Tyrosine Phosphatase 1B, Recomb 539735-50UGCN	50 UG	53560
Protein Tyrosine Phosphatase, YOP, Recomb 539734-2000UCN	2000 U	32890
Proteinase 3, Human Neutrophils 539483-100UGCN	100 UG	44070
Prothrombin, Human Plasma 539515-1MGCN	1 MG	19670
539515-2MGCN	2 MG	39450
PTEN, His*Tag and S*Tag, Human Rec., Sp. 481409-10UGCN	10 UG	47420
PTP, T-Cell, Hu., Recomb 539732-200UCN	200 U	32890
PTPase CD45, Human, Recomb. 217614-20UGCN	20 UG	43960
Purine Nucleoside Phosphorylase, Recomb 540221-1MGCN	1 MG	19140
Pyruvate Oxidase, Aerococcus viridans 550701-100UCN	100 U	17670

Catalog No.	Pack	Unit Price ₹
RAD51, HisTag, Hu., Recom		
553504-10KUCN	10 KU	52500
RAP, Human, Recombinant {E. coli}		
553506-50UGCN	50 UG	32890
Ras,Hu,Recomb,Wild-Type		
553325-100UGCN	100 UG	35610
Rb Anti-Gt IgG Fc Frag Specific HRP Conj		
401504-2MLCN	2 ML	25210
Rb Anti-Sh IgG, H&L Chain Sp HRP Conj		
402100-2MLCN	2 ML	19190
Renin, Human Kidney		
553901-150MIUCN	150 MIU	41440
Resistin, Human, Recombinant, E. coli		
PF138-25UGCN	25 UG	40780
RhoA,GST-Fusion,Hu,Recom		
555466-25UGCN	25 UG	43960
RNF-5 Rabbit pAb		
ST1502-50UGCN	50 UG	38790
R-Spondin 4, Mouse, Recombinant		
552095-25UGCN	25 UG	46720
S*Tag Ap Western Blot Kit		
69213-3CN	25 BLOTS	30530
S*Tag Monoclonal Antibody		
71549-3CN	50 ug	22920
S-100b Protein, Bovine Brain		
559290-1MGCN	1 MG	50340
Serum Amyloid A Protein-Rich, HDL, Serum		
566701-250UGCN	250 UG	34190
Serum Amyloid P Component, Human Serum		
565190-500UGCN	500 UG	30040
sFRP-3, His-Tag, Mouse, Recombinant		
565834-10UGCN	10 UG	46720
SIRT1, GST-Fusion Protein, Hu, Rec		
524743-100UGCN	100 UG	55120
SOST, Mouse, Recombinant		
567693-25UGCN	25 UG	46720
Sphingolipid Ceramide N-Deacylase		
567704-250MIUCN	250 MIU	36870
Sphingomyelinase, Staphylococcus aureus		
567707-10UCN	10 U	19990
S-Protein AP Conjugate		
69598-3CN	50 UL	18110
S-Protein HRP Conjugate		
69047-3CN	50 ul	15320
Strep*Tag II Antibody HRP Conjugate		
71591-3CN	75 UL	38970
Strep*Tag II Monoclonal Antibody		
71590-3CN	100 UG	41680
Streptavidin		
189730-1MGCN	1 MG	9790
189730-10MGCN	10 MG	55270
Streptavidin AP Conjugate		
69219-3CN	250 UL	19420
Streptavidin, Al Phos Conjugate		
189732-2MLCN	2 ML	31730

Catalog No.	Pack	Unit Price ₹
Streptavidin, beta-Galactosidase Conj		
569404-2MLCN	2 ML	25570
Streptavidin, HRP Conjugate		
OR03L-200UGCN	200 UG	9710
Streptavidin, Peroxidase Conjugate		
189733-1MLCN	1 ML	17980
Streptavidin, Phycoerythrin Conjugate		
189737-1MLCN	1 ML	30490
Streptavidin, TEXAS RED Conjugate		
189738-1MLCN	1 ML	19190
Superoxide Dismutase, Bov. Erythrocytes		
574594-50KUCN	50 KU	14360
Superoxide Dismutase, Hu., Recom		
574591-100UGCN	100 UG	46650
TACE, His-Tag, Recombinant Protein		
PF133-10UGCN	10 UG	58960
TCTP Rabbit pAb		
ST1504-50ULCN	50 UL	37890
TdT Enzyme		
PF060-.155MLCN	0.155 ML	21880
Thermolysin, B. thermoproteolyticus		
58656-2500KUCN	2500 KU	25570
Thioredoxin Reductase, Yeast, Recom		
598502-100UGCN	100 UG	26420
Thioredoxin, Human, Recomb.		
598101-100UGCN	100 UG	39110
Thrombin, Bovine		
605157-1KUCN	1 KU	6040
Thrombin, Bovine, High Activity		
604980-100UCN	100 U	9770
604980-500UCN	500 U	39450
Thrombin, Citrate-Free, Human Plasma		
605206-100UCN	100 U	6040
Thrombin, Human Plasma		
605190-100UCN	100 U	6040
605190-1000UCN	1000 U	45720
Thrombin, Human Plasma, High Activity		
605195-1000UCN	1000 U	35830
Thrombin, Human Plasma, High Activity		
605195-100UCN	100 U	8570
605195-5000UCN	5000 U	116040
Thrombin, Immobilized, Human Plasma		
605204-1MLCN	1 ML	26210
Thrombin, Plasminogen-Free, Bovine		
605160-1KUCN	1 KU	16330
Thrombin-Activatable Fibrinolysis Inhib		
605197-50UGCN	50 UG	51790
Thyroglobulin, Bovine Thyroid Gland		
609310-100MGCN	100 MG	16950
Thyroglobulin, Human Thyroid		
609312-1MGCN	1 MG	12040
Tissue Factor, Apo-, Human, Recombinant		
612151-25UGCN	25 UG	106760
Tissue Plasminogen Activator, Human		
612200-100UGCN	100 UG	32890
612200-1MGCN	1 MG	75430

Catalog No.	Pack	Unit Price ₹
TMB (Soluble Substrate)		
CL07-100MLCN	100 ML	9530
CL07-1000MLCN	1000 ML	40500
TRAIL, Human, Recomb. NSO cells		
616376-10UGCN	10 UG	51420
TRAIL, Human, Recombinant, E. coli		
616374-100UGCN	100 UG	50340
Transferrin, Apo-, Human Plasma		
616395-100MGCN	100 MG	9770
Transferrin, Apo-, Low Endotoxin Grade		
178481-100MGCN	100 MG	13660
178481-1GMCN	1 GM	76570
Transferrin, Holo, Bovine Plasma		
616420-100MGCN	100 MG	8170
Transferrin, Holo, Human Plasma		
616397-100MGCN	100 MG	8170
616397-500MGCN	500 MG	31480
Transferrin, Holo, Human Plasma, Low End		
616424-100MGCN	100 MG	12560
TransferrinApo-,HumanPlasma,LowEndotoxin		
616419-10MGCN	10 MG	5360
Trx*Tag Monoclonal Antibody		
71542-3CN	50 UG	23050
Tumor Necrosis Factor-a, Human, Recomb.		
654205-10UGCN	10 UG	43190
Tumor Necrosis Factor-a, Mouse, Recomb.		
654245-10UGCN	10 UG	41440
UbcH5c, Human, Recombinant		
662098-50UGCN	50 UG	39020
Ubiquitin Conjugating Enzyme 5a, Recom		
662091-50UGCN	50 UG	38160
Ubiquitin Conjugating Enzyme Set		
662116-1SETCN	1 SET	68430
Ubiquitin, GST-Fusion, Recom		
662057-1MGCN	1 MG	32890
Ubiquitin, His*Tag, Recombinant, E. coli		
662060-1MGCN	1 MG	26210
Urokinase, HMW, Human Urine		
672081-3000IUCN	3000 IU	28910
Urokinase, Human Urine		
672112-10KUCN	10 KU	26210
Vasoactive Intestinal Pep Human+Porc+Rat		
05-23-2101-0.5MGCN	0.5 MG	25350
05-23-2101-1MGCN	1 MG	35460
VEGF Receptor 1 (Flt-1), Hu., Recomb		
PF082-50UGCN	50 UG	59040
VEGF Receptor 2(D1-7) Human, Recombinant		
676490-50UGCN	50 UG	56180
von Willebrand Factor, Human Plasma		
681300-100UGCN	100 UG	49120
WEE1, GST-Fusion, Human, Rec.		
325896-10UGCN	10 UG	42850
Xanthine Oxidase, Buttermilk		
682151-10UCN	10 U	7110
682151-50UCN	50 U	23110

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Catalog No.	Pack	Unit Price ₹
(-)-Blebbistatin 203391-1MGCN	1 mg	17110
(-)-Epigallocatechin Gallate 324880-10MGCN	10 mg	6030
(-)-Nicotine Ditartrate 481975-100MGCN	100 mg	4800
(+)-Blebbistatin 203392-1MGCN	1 mg	13420
(+)-Brefeldin A, E. brefeldianum 203729-1MGCN	1 mg	8490
(+)-MK 801 Maleate 475878-10MGCN	10 mg	13260
(+/-)-Bay K 8644 196878-1MGCN	1 mg	8350
196878-5MGCN	5 mg	27880
(+/-)-Ibuprofen 401003-1GMCN	1 gm	6030
(+/-)-Propranolol, HCl 537075-100MGCN	100 mg	4800
(+/-)-S-Nitroso-N-acetylpenicillamine 487910-1SETCN	1 set	23270
487910-20MGCN	20 mg	9730
(+/-)-Taxifolin Hydrate 580553-25MGCN	25 mg	20500
(+/-)-Thalidomide 585970-100MGCN	100 mg	13260
(+/-)-Verapamil, HCl 676777-100MGCN	100 mg	6030
(5Z)-7-Oxozeaenol, Curvularia sp. 499610-1MGCN	1 mg	12180
(5Z)-Zeaenol, Curvularia sp. 499609-1MGCN	1 mg	13260
(Z-LL)2 Ketone 421050-5MGCN	5 mg	12180
[6]-Gingerol, Zingiber officinale 345868-5MGCN	5 mg	16670
1,1-Dimethylbiguanide, Hydrochloride 317240-5GMCN	5 gm	12040
1,2-Dioctanoyl-sn-glycerol 317505-10MGCN	10 mg	8490
1,5-Dansyl-Glu-Gly-Arg CMK, 2HCl 251700-5MGCN	5 mg	36650
11beta-HSD1 Inhibitor, 10j 385581-10MGCN	10 mg	20500
1400W 100050-5MGCN	5 mg	14650
14-3-3 Antagonist I, 2-5 100081-5MGCN	5 mg	40560
14-3-3 Antagonist II, BV02 100082-10MGCN	10 mg	10960
15d-PGJ2 538927-1MGCN	1 mg	15730
15-PGDH Inhibitor 100073-10MGCN	10 mg	19580
16,16-Dimethyl Prostaglandin E2 538916-1MGCN	1 mg	12180

Catalog No.	Pack	Unit Price ₹
17-AAG 100068-500UGCN	500 ug	24000
17b-Estradiol 3301-1GMCN	1 gm	7270
17-DMAG 100069-500UGCN	500 ug	25210
1-Aminocyclopropane-1-carboxylic Acid 149101-1GMCN	1 gm	26800
149101-250MGCN	250 mg	8320
1-Azakenpauillone 191500-1MGCN	1 mg	13420
1-b-D-Arabinofuranosylcytosine 251010-1GMCN	1 gm	9730
1-Deoxymannojirimycin, HCl 260575-5MGCN	5 mg	14650
1-Deoxynojirimycin, HCl 260684-10MGCN	10 mg	25570
1-Oleoyl-2-acetyl-sn-glycerol 495414-5MGCN	5 mg	8320
495414-25MGCN	25 mg	25570
495414-1SETCN	1 set	21730
1-Pyrrolidinecarbodithioic Acid, Ammoni 548000-100MGCN	100 mg	4800
1-Stearoyl-2-arachidonoyl-sn-glycerol 569399-10MGCN	10 mg	14490
2,3-Butanedione 2-Monoxime 203984-500MGCN	500 mg	4800
2',5'-Dideoxyadenosine 288104-1MGCN	1 mg	7270
2-APB 2-AMINOETHOXYDIPHENYLBORATE,... 100065-100MGCN	100 mg	7270
2-Chloro-2'-deoxyadenosine 220467-10MGCN	10 mg	7270
2-Guanidinoethylmercaptosuccinic Acid 369334-5MGCN	5 mg	19580
2-Methoxyestradiol 454180-10MGCN	10 mg	8490
454180-50MGCN	50 mg	31730
3,4-Dichloroisocoumarin 287815-10MGCN	10 mg	18340
3-Isobutyl-1-methylxanthine 410957-250MGCN	250 mg	7270
410957-1GMCN	1 gm	17960
3-Nitropropionic acid 164603-50MGCN	50 mg	8900
4-{[3',4'-(Methylenedioxy)benzyl]amino} 475250-5MGCN	5 mg	19420
4a-Phorbol-12,13-didecanoate 524394-1MGCN	1 mg	10960
524394-5MGCN	5 mg	38970
4-Cyano-3-methylisoquinoline 238900-5MGCN	5 mg	47540
4-Hydroxynonenal 393204-1MGCN	1 mg	10960
4-Hydroxyphenylretinamide 390900-5MGCN	5 mg	16950

Catalog No.	Pack	Unit Price ₹
4-Methylumbelliferyl-a-D-glucopyranoside 474426-100MGCN	100 mg	12040
4-Methylumbelliferyl-b-D-glucuronide 474427-100MGCN	100 mg	6030
5,6-Dichloro-1-b-D-ribofuranosylbenzimid 287891-50MGCN	50 mg	13420
5-Aza-2'-Deoxycytidine 189825-25MGCN	25 mg	28040
5-Br-4-Cl-3-indolyl-b-D-galactopyranosid 203782-100MGCN	100 mg	6030
203782-250MGCN	250 mg	12040
203782-1GMCN	1 gm	26800
203782-5GMCN	5 gm	85740
5-Br-4-Cl-3-indolyl-b-D-glucuronic Acid 203783-100MGCN	100 mg	40350
5-Fluoro-2'-deoxyuridine 343333-50MGCN	50 mg	13260
5-Fluorouracil 343922-1GMCN	1 gm	6030
6-Benzylaminopurine 200241-1GMCN	1 gm	6030
7a, 25-dihydroxycholesterol 128136-1MGCN	1 mg	39320
7BIO 402087-5MGCN	5 mg	21730
7-Nitroindazole 483400-100MGCN	100 mg	13260
8-(4-Chlorophenylthio)-cAMP, Sodium Salt 116812-10MGCN	10 mg	7270
8-(4-Chlorophenylthio)-cGMPS, Rp-Isomer 370677-1UMOLCN	1 umol	31730
8-Bromo-cAMP, Sodium Salt 203800-10MGCN	10 mg	8490
8-Bromo-cGMP, Sodium Salt 203820-25MGCN	25 mg	13420
8-Bromo-cGMPS, Rp-Isomer, Sodium Salt 370674-5UMOLCN	5 umol	63430
8-Methoxymethyl-3-isobutyl-1-methylxanth 454202-10MGCN	10 mg	24190
8-pCPT-cGMP 370665-25UMOLCN	25 umol	43730
a1-Antichymotrypsin, Human Plasma 178196-100UGCN	100 ug	12040
178196-1MGCN	1 mg	68350
a1-Antitrypsin, Human Plasma 178251-1MGCN	1 mg	10960
178251-5MGCN	5 mg	42800
a1-PDX, Human, Recombinant, E. coli 126850-2.5MGCN	2.5 . mg	70970
A23187, 4-Bromo- 100107-1MGCN	1 mg	20800

Catalog No.	Pack	Unit Price ₹
A23187, Free Acid, <i>S. chartreusensis</i>		
100105-1MGCN	1 mg	4800
100105-5MGCN	5 mg	10960
100105-10MGCN	10 mg	15870
100105-50MGCN	50 mg	55890
A23187, Mixed Calcium-Magnesium Salt		
100106-10MGCN	10 mg	18030
a2-Antiplasmin, Human Plasma		
178221-100UGCN	100 ug	8320
a2-Macroglobulin, Human Plasma		
441251-1MGCN	1 mg	10960
441251-10MGCN	10 mg	72200
AACOCF3 ARACHIDONYLTRIFLUOROM.KETONE		
100109-10MGCN	10 mg	13420
a-Amanitin, <i>Amanita</i> sp.		
129741-1MGCN	1 mg	23270
AAPH		
100110-1GMCN	1 gm	7270
a-APP Modulator		
565740-1MGCN	1 mg	28040
Abeta42 Fibrillogenesis Inhibitor III		
171588-5MGCN	5 mg	21730
a-Bungarotoxin, <i>Bungarus multicinctus</i>		
203980-1MGCN	1 mg	17110
ACA		
104550-25MGCN	25 mg	13260
ACC2 Inhibitor, CD-017-0191		
104551-10MGCN	10 mg	16950
ACE, HisTag, Hu., Recom, NSO Cel		
176871-10UGCN	10 ug	46650
ACE-2, HisTag, Hu., Recom, NSO C		
176872-10UGCN	10 ug	46650
Acetyl-11-keto-b-Boswellic Acid		
110123-5MGCN	5 mg	25420
Acetyl-Pepstatin		
110175-1MGCN	1 mg	26800
Acidic Mammalian Chitinase Inhib, Bisdionin		
112252-5MGCN	5 mg	29450
Ack1 Inhibitor, AIM-100		
104833-10MGCN	10 mg	31090
Actin Polymerization Interfer Agents Set		
104850-1SETCN	1 set	46510
AdaAhx3L3VS		
114802-250UGCN	250 ug	30490
ADAMTS-5 Inhibitor		
114810-5MGCN	5 mg	35120
Adapalene		
114825-25MGCN	25 mg	12040
Adenophostin A, Hexasodium Salt		
115500-50UGCN	50 ug	28040
Adenosine 5'-O-(2-Thiodiphosphate), 3Li		
119134-25MGCN	25 mg	63270
Adenosine A1 Receptor Agonist I, CPA		
119135-25MGCN	25 mg	9710
Adenosine A1 Receptor Agonist II, CCPA		
119136-10MGCN	10 mg	17930

Catalog No.	Pack	Unit Price ₹
Adenosine A1 receptor antagonist, DPCPX		
119147-25MGCN	25 mg	8060
Adenosine A2A Receptor Agonist I, CGS 21680 Hydrochloride		
119137-5MGCN	5 mg	21220
Adenosine A2A/A1 Receptor Antagonist		
116765-10MGCN	10 mg	23980
Adenosine A2B Receptor Antagonist I, MRS 1754		
119151-10MGCN	10 mg	26160
Adenosine A3 Receptor Antagonist, MRS 1523		
119152-5MGCN	5 mg	42610
Adenosine Deaminase Inhibitor, DCF		
116860-10MGCN	10 mg	17930
Adenosine Kinase Inhibitor		
116890-5MGCN	5 mg	26800
Adenosine Receptor Agonist, NECA NPI		
119140-10MGCN	10 mg	8060
Adenosine-3'5'-cyclic Monophosphate, Na		
116801-100MGCN	100 mg	6030
116801-1GMCN	1 gm	29110
Adenylyl Cyclase Type V Inhibitor, NKY80		
116850-5MGCN	5 mg	8490
116850-25MGCN	25 mg	31570
Adenylyl-imidodiphosphate, Tetralithium		
120002-25MGCN	25 mg	24350
Adipogenesis Inducers Panel		
121000-1EACN	1 ea	73430
ADP-HPD, Dihydrate, Ammonium		
118415-60UGCN	60 ug	19580
118415-1SETCN	1 set	74660
AEBSF, HCl		
101500-50MGCN	50 mg	6030
101500-100MGCN	100 mg	9730
101500-500MGCN	500 mg	37890
101500-1GMCN	1 gm	67580
AG 1024		
121767-1MGCN	1 mg	9730
AG 126		
658452-5MGCN	5 mg	14490
AG 1295		
658550-5MGCN	5 mg	12180
AG 1296		
658551-5MGCN	5 mg	14650
AG 1478		
658552-5MGCN	5 mg	14650
AG 17		
658425-5MGCN	5 mg	7270
AG 18		
658395-5MGCN	5 mg	7270
AG 490 INHIBITOR		
658401-5MGCN	5 mg	6030
AG 490, m-CF3		
658408-10MGCN	10 mg	13260
AG 538		
658403-5MGCN	5 mg	9730

Catalog No.	Pack	Unit Price ₹
AG 82		
658400-5MGCN	5 mg	7270
AG 825 4-HYDROXY-3-METHOXY-5-(BENZOTH. 121765-2MGCN	2 mg	13420
AG 879		
658460-5MGCN	5 mg	14490
AG 9		
658390-5MGCN	5 mg	6030
AhR Agonist V, VAF347		
182690-10MGCN	10 mg	24510
AhR Antagonist		
182705-10MGCN	10 mg	17110
AhR Antagonist II, SR1		
182706-5MGCN	5 mg	22870
AhR Antagonist III, GNF351		
182707-10MGCN	10 mg	31090
AICA-Riboside		
123040-50MGCN	50 mg	15870
AICA-Riboside, 5'-Phosphate		
123041-25MGCN	25 mg	21880
a-Iodoacetamide		
407710-25GMCN	25 gm	13150
AKR1C1 Inhibitor, 5-PBSA		
123850-25MGCN	25 mg	25480
AKR1C3 Inhibitor		
123855-25MGCN	25 mg	22870
Akt Activator II, SC79		
123871-25MGCN	25 mg	24510
AKT Inhibitor		
124005-1MGCN	1 mg	18340
Akt Inhibitor II		
124008-1MGCN	1 mg	34190
Akt Inhibitor III		
124009-1MGCN	1 mg	34190
Akt Inhibitor IV		
124011-1MGCN	1 mg	13420
124011-5MGCN	5 mg	48960
Akt Inhibitor IX, API-59CJ-OMe		
124019-5MGCN	5 mg	27880
Akt Inhibitor V, Triciribine		
124012-1MGCN	1 mg	20800
124012-10MGCN	10 mg	52810
Akt Inhibitor VI, Akt-in		
124013-2MGCN	2 mg	19580
Akt Inhibitor VII, TAT-Akt-in		
124014-2MGCN	2 mg	37890
Akt Inhibitor VIII, Isozyme-Selective		
124018-1MGCN	1 mg	20800
124018-5MGCN	5 mg	24490
Akt Inhibitor X		
124020-5MGCN	5 mg	31730
Akt Inhibitor XI		
124028-5MGCN	5 mg	27880
Akt Inhibitor XIV		
124032-10MGCN	10 mg	12040

Catalog No.	Pack	Unit Price ₹
Akt Inhibitor XIX, 3CAI 124037-25MGCN	25 mg	21220
Akt Inhibitor XV, Isozyme-Selective 124034-2MGCN	2 mg	20500
Akt Inhibitor XVIII, SC66 124036-25MGCN	25 mg	26160
AktInhibitorXII,Isozyme-Selective,Akti-2 124029-2MGCN	2 mg	30490
AktInhibitorXIII,Isozyme-Selective,Akti2 124030-2MGCN	2 mg	30490
a-Latrotoxin, L. tredecimguttatus 428025-40UGCN	40 ug	91730
ALCALASE Enzyme, Bacillus licheniformis 126741-500MLCN	500 ml	8490
ALDH2 Agonist, Alda-1 126920-25MGCN	25 mg	12180
Alendronate, Sodium Salt 126855-100MGCN	100 mg	19580
a-Lipoic Acid 437692-5GMCN	5 gm	8320
ALLM 208721-25MGCN	25 mg	24490
ALLN 208719-5MGCN	5 mg	9730
208719-25MGCN	25 mg	24490
Allopregnanolone 127100-10MGCN	10 mg	20650
Aloisine A 128125-5MGCN	5 mg	14490
Alsterpaullone 126870-1MGCN	1 mg	12180
Alsterpaullone, 2-Cyanoethyl 126871-1MGCN	1 mg	19580
Amastatin, Streptomyces sp. 129875-1MGCN	1 mg	15730
Amifostine 129874-50MGCN	50 mg	20960
Amiloride, HCl 129876-100MGCN	100 mg	6030
Aminopeptidase M, Porcine Kidney 164598-50UCN	50 u	20800
Aminopeptidase N (CD13), Human Serum 164605-10UGCN	10 ug	33110
Aminopeptidase N, Rat 164599-10UCN	10 u	25730
Aminopeptidase N/CD13 Inhibitor, 4d 164606-10MGCN	10 mg	12180
Aminopurvalanol A 164640-5MGCN	5 mg	21880
AMPA Agonist, CMPA 155306-5MGCN	5 mg	22870
AMPK Activator D942 171256-5MGCN	5 mg	21880
AMPK Activator III, DHPO 171259-25MGCN	25 mg	13260

Catalog No.	Pack	Unit Price ₹
AMPK Activator V, Ampkinone 171262-5MGCN	5 mg	28500
AMPK Activator VI, RSVA314 171272-10MGCN	10 mg	12180
AMPK Inhibitor, Compound C 171260-1MGCN	1 mg	10960
171260-5MGCN	5 mg	30650
171260-10MGCN	10 mg	44040
AMPK Signaling Agonist, F17 171263-5MGCN	5 mg	13420
Anacardic Acid 172050-10MGCN	10 mg	10960
Anaphase-Promoting Complex Inhibitor Negative Control, AAME 172103-50MGCN	50 mg	8900
Anaphase-Promoting Complex Inhibitor, TAME 172104-50MGCN	50 mg	8900
a-Naphthyl Acid Phosphate, Monosod. Salt 479775-5GMCN	5 gm	8320
Andrographolide 172060-50MGCN	50 mg	7270
Angeli's Salt 176695-10MGCN	10 mg	9730
Angiogenesis Inhibitor 175580-10MGCN	10 mg	13260
Angiotensin II, Human 05-23-0101-1MGCN	1 mg	3570
05-23-0101-5MGCN	5 mg	4800
05-23-0101-25MGCN	25 mg	19580
Anthrax Lethal Factor Protease Inhibitor 176901-1MGCN	1 mg	28040
Anthrax Lethal Factor Substrate III, FI 176904-1MGCN	1 mg	31430
Anthrax Lethal Factor, Recom 176900-100UGCN	100 ug	45110
Anthrax Protective Antigen, Nick., Recom 176908-100UGCN	100 ug	47730
Anthrax Protective Antigen, Recom 176905-100UGCN	100 ug	46510
Antipain, Dihydrochloride 178223-10MGCN	10 mg	10960
Antipain, Hydrochloride 178220-5MGCN	5 mg	7270
178220-10MGCN	10 mg	10960
Antithrombin III, Human Plasma 169756-1MGCN	1 mg	26420
Apamin, Bee Venom 178270-500UGCN	500 ug	14650
APE1 Inhibitor III 262017-10MGCN	10 mg	14930
Aphidicolin 178273-1MGCN	1 mg	12180
Apicidin, Fusarium sp. 178276-1MGCN	1 mg	12790
178276-5MGCN	5 mg	34040

Catalog No.	Pack	Unit Price ₹
Apigenin 178278-5MGCN	5 mg	4800
Apocynin 178385-1GMCN	1 gm	7270
ApoE4 Modulator, PH002 178477-10MGCN	10 mg	34380
Apoptosis Activator III, Embelin 178493-10MGCN	10 mg	14090
Apoptosis Activator VI, CD437/AHPN 178496-5MGCN	5 mg	16950
Apoptosis Activator VII, Apoptozole 178497-10MGCN	10 mg	16810
Apoptosis Inducer Set 178486-1SETCN	1 set	41580
Apoptosis Inhibitor 178488-10MGCN	10 mg	13420
Apoptosis Inhibitor II, NS3694 178494-10MGCN	10 mg	16810
APP beta-Secretase Inhibitor 171601-500UGCN	500 ug	15870
Aprotinin, Bov., Recom, Animal-Free 616371-1MGCN	1 mg	7270
616371-5MGCN	5 mg	11510
616371-25MGCN	25 mg	21880
Aprotinin, Bovine Lung, Crystalline 616370-10MGCN	10 mg	7270
616370-20MGCN	20 mg	12180
616370-100MGCN	100 mg	45430
Aprotinin, Bovine Lung, Solution 616399-100KUCN	100 ku	17110
616399-500KUCN	500 ku	54050
APT1 Inhibitor, palmostatin B 178501-5MGCN	5 mg	20800
Arachidonic Acid 181198-100MGCN	100 mg	10960
181198-1GMCN	1 gm	30490
Arachidonic Acid, Porcine Liver, Sodium 181205-100MGCN	100 mg	20500
Arcyriaflavin A, Synthetic 181305-1MGCN	1 mg	20500
ARE Activator, BTZO-1 181315-10MGCN	10 mg	14930
Aromatase Inhibitor I 182540-1MGCN	1 mg	15730
Aromatase Inhibitor II, Letrozole 182541-25MGCN	25 mg	17930
Arp2/3 Complex Inhibitor I, CK-666 182515-25MGCN	25 mg	18340
Arp2/3 Complex Inhibitor I, Inactive Con 182517-25MGCN	25 mg	18340
Arp2/3 Complex Inhibitor II, CK-869 182516-25MGCN	25 mg	19260
Arp2/3 Complex Inhibitor II, Inactive Co 182518-25MGCN	25 mg	19260
Ascomycin, Streptomyces hygroscopicus 182800-1MGCN	1 mg	18340

Catalog No.	Pack	Unit Price ₹
a-Secretase Substrate II, Fluorogenic		
565767-1MGCN	1 mg	18340
ATM Kinase Inhibitor *KU-55933*		
118500-2MGCN	2 mg	11940
118500-10MGCN	10 mg	28400
ATM/ATR Kinase Inhibitor *CGK773*		
118501-5MGCN	5 mg	24490
Atorvastatin, Calcium Salt		
189291-100MGCN	10 mg	22470
a-Toxin, Staphylococcus aureus		
616385-250UGCN	250 UG	62350
ATR/CDK Inhibitor, NU6027		
189299-10MGCN	10 mg	22870
ATRA-BA Hybrid		
554723-25MGCN	25 mg	22950
Aurintricarboxylic Acid		
189400-100MGCN	100 mg	4800
Aurora Kinase Inhibitor II		
189404-1MGCN	1 mg	12180
Aurora Kinase Inhibitor III		
189405-1MGCN	1 mg	12180
Aurora Kinase Inhibitor VI, ZM447439		
189410-5MGCN	5 mg	21220
Aurora Kinase Inhibitor XI, HOI-07		
189412-10MGCN	10 mg	22870
Aurora Kinase/Cdk Inhibitor *JNJ-7706621		
189406-5MGCN	5 mg	31730
Aurothiomalate		
189401-50MGCN	50 mg	13260
Autocamide-2 Related Inhib. Peptide, Myr		
189482-500UGCN	500 ug	22030
Autocamide-2 Related Inhib. Peptide II		
189485-1MGCN	1 mg	32960
Autocamide-2 Related Inhib. Peptide II		
189484-1MGCN	1 mg	14650
Autocamide-2 Related Inhibitory Peptide		
189480-500UGCN	500 ug	19260
Autophagy Inducer, STF-62247		
189497-10MGCN	10 mg	9730
Autophagy Inhibitor, 3-MA		
189490-50MGCN	50 mg	10960
189490-100MGCN	100 mg	13440
Autophagy Regulators Panel		
189488-1EACN	1 ea	269780
Autotaxin Inhibitor I, S32826		
189510-5MGCN	5 mg	18030
Autotaxin Inhibitor II, HA130		
189511-10MGCN	10 mg	12180
Autotaxin Inhibitor III, PF-8380		
189512-10MGCN	10 mg	27800
Autotaxin Inhibitor IV, HA155		
189513-10MGCN	10 mg	20960
AY 9944		
190080-5MGCN	5 mg	18190
AZOCOLL Substrate, <50 MESH		
194932-1GMCN	1 gm	12180

Catalog No.	Pack	Unit Price ₹
AZOCOLL Substrate, >100 MESH		
194933-1GMCN	1 gm	10960
194933-5GMCN	5 gm	42800
Bafilomycin A1, Streptomyces griseus		
196000-10UGCN	10 ug	15560
196000-1SETCN	1 set	37890
Baicalein		
196322-10MGCN	10 mg	13120
b-Amyloid Oligomer Inhibitor, K01-162		
200487-10MGCN	10 mg	18030
bARK1 Inhibitor		
182200-5MGCN	5 mg	14650
Batimastat		
196440-5MGCN	5 mg	22030
Bax Activator, BAM7		
196800-10MGCN	10 mg	20960
BAX CHANNEL BLOCKER		
196805-5MGCN	5 mg	13260
Bax Channel Blocker II, iMAC2		
196806-10MGCN	10 mg	19260
Bax-Inhibiting Peptide, Negative Control		
196811-5MGCN	5 mg	12180
Bax-Inhibiting Peptide, V5		
196810-5MGCN	5 mg	13420
BAY 11-7082		
196870-10MGCN	10 mg	9730
BAY 11-7085		
196872-10MGCN	10 mg	13420
BAY 41-2272		
196876-5MGCN	5 mg	20500
b-Catenin/Tcf Inhibitor II, PKF118-310		
219331-10MGCN	10 mg	17940
b-Catenin/Tcf Inhibitor III, iCRT3		
219332-10MGCN	10 mg	12180
b-Catenin/Tcf Inhibitor V, BC21		
219334-10MGCN	10 mg	24510
Bcl-2 Binding Peptide, Cell-Permeable		
197220-1MGCN	1 mg	32650
bcl-2 Binding Peptide, Neg. Control		
197225-1MGCN	1 mg	31570
Bcl-2 Converter, D-NuBCP-9-r8, Cell-permea		
197320-2MGCN	2 mg	34040
Bcl-2 Inhibitor		
197330-5MGCN	5 mg	45110
Bcl-2 Inhibitor II, YC137		
197331-5MGCN	5 mg	21840
Bcl-2 Inhibitor III		
197332-10MGCN	10 mg	13260
BCL6 Inhibitor, 79-6		
197345-50MGCN	50 mg	20800
Bcl-xL BH4(4-23) (Human), Cell-Permeable		
197217-1MGCN	1 mg	28040
Bcr-abl Inhibitor		
197221-5MGCN	5 mg	18340
Bcr-abl Inhibitor II		
197223-5MGCN	5 mg	18190

Catalog No.	Pack	Unit Price ₹
Bcr-abl Inhibitor III, GNF-5		
197224-10MGCN	10 mg	20500
BCRP Inhibitor		
197226-10MGCN	10 mg	13260
BCRP Inhibitor III, YHO-13177		
197227-10MGCN	10 mg	20960
BCRP Inhibitor IV, YHO-13351		
197228-25MGCN	25 mg	34530
BEC, Hydrochloride		
197900-5MGCN	5 mg	20800
Benzyl-2-acetamido-2-deoxy-a-D-galactopyr		
200100-100MGCN	100 mg	17110
Berberine Chloride		
200275-25MGCN	25 mg	4370
Bestatin		
200484-10MGCN	10 mg	15870
Bestatin Methyl Ester		
200485-5MGCN	5 mg	18340
beta-Catenin/Tcf Inhibitor, FH535		
219330-10MGCN	10 mg	10740
beta-Hexosaminidase		
376820-10MGCN	10 mg	20500
beta-Sitosterol		
567152-5GMCN	5 gm	4800
567152-25GMCN	25 gm	19260
Betulinic Acid		
200498-5MGCN	5 mg	17960
Bexarotene		
200499-50MGCN	50 mg	17930
b-Glucuronidase		
347423-10MGCN	10 mg	26160
b-Glycerophosphate, Disod Salt, Pentahyd		
35675-50GMCN	50 gm	4800
35675-100GMCN	100 gm	7270
35675-250GMCN	250 gm	14650
BHQ		
286888-100MGCN	100 mg	3570
Bikinin		
200980-25MGCN	25 mg	12040
Bilirubin		
2011-1GMCN	1 gm	20800
Bilirubin Conj., Ditaurate, Disodium		
201102-100MGCN	100 mg	14090
Binucleine 2		
201125-5MGCN	5 mg	14490
Bisindolylmaleimide I		
203290-250UGCN	250 ug	4800
203290-1MGCN	1 mg	14650
Bisindolylmaleimide I, HCl		
203291-250UGCN	250 ug	6030
203291-1MGCN	1 mg	14650
Bisindolylmaleimide II		
203292-1MGCN	1 mg	22950
Bisindolylmaleimide IV		
203297-1MGCN	1 mg	19260

Catalog No.	Pack	Unit Price ₹
Bisindolylmaleimide V 203303-250UGCN	250 ug	6030
203303-1MGCN	1 mg	18030
b-Lactamase, Bacillus cereus 569/H9 426205-500UCN	500 u	8490
Blebbistatin, Racemic 203390-5MGCN	5 mg	21880
Bmi1-Ring1A E3 Ligase Inhibitor, PRT4165 203630-25MGCN	25 mg	22870
BMP Inhibitor II, DMH1 203646-5MGCN	5 mg	17940
Bohemine 203600-1MGCN	1 mg	8490
Bongkreic Acid, Triammonium Salt 203671-500UGCN	500 ug	40350
BPDQ 203697-1MGCN	1 mg	16810
bpV(bipy) 203694-5MGCN	5 mg	16950
bpV(HOpic) 203701-5MGCN	5 mg	15870
bpV(phen) 203695-10MGCN	10 mg	19580
BQ-610 203715-500UGCN	500 ug	21730
Bradykinin 05-23-0500-1MGCN	1 mg	2340
05-23-0500-5MGCN	5 mg	6030
05-23-0500-25MGCN	25 mg	16950
Brevetoxin PbTx-2, Ptychodiscus brevis 203732-100UGCN	100 ug	59730
Brevetoxin PbTx-3, Ptychodiscus brevis 203734-100UGCN	100 ug	67120
Bromodomain Inhibitor, BIC1 203830-10MGCN	10 mg	13420
Bruton's Tyrosine Kinase Inhibitor III 203661-1MGCN	1 mg	32960
Bryostatin 1 203811-10UGCN	10 ug	14490
b-Secretase Inhibitor II 565749-1MGCN	1 mg	7270
565749-5MGCN	5 mg	28310
b-Secretase Inhibitor III 565780-500UGCN	500 ug	14490
b-Secretase Inhibitor IV 565788-1MGCN	1 mg	23270
b-Secretase Substrate IV, Fluorogenic 565758-1MGCN	1 mg	19420
b-Secretase Substrate VI, Fluorogenic 565781-500UGCN	500 ug	40350
Bt3(1,3,5)IP3/AM 407141-1SETCN	1 set	62510
BTS 203895-5MGCN	5 mg	13260
Bufalin 203900-10MGCN	10 mg	18030

Catalog No.	Pack	Unit Price ₹
Butein 203987-5MGCN	5 mg	21840
Butyrolactone I 203988-200UGCN	200 ug	20650
BX-795 204001-10MGCN	10 mg	18340
C5a Receptor Antagonist, W-54011 234415-1MGCN	1 mg	12180
234415-5MGCN	5 mg	39110
CA 1001 205535-25MGCN	25 mg	25420
CA-074 205530-1MGCN	1 mg	20800
CA-074 Me 205531-1MGCN	1 mg	22030
Ca2+/CaMK II Inhibitor 281-309 208711-500UGCN	500 ug	18030
Cadein1 205536-10MGCN	10 mg	17940
Caffeine 205548-500GMCN	500 gm	10960
Caged Ins(1,4,5)P3, Trisodium Salt 407135-10UGCN	10 ug	18030
407135-1SETCN	1 set	116820
Calcineurin Autoinhibitory Peptide 207000-250UGCN	250 ug	14090
Calcineurin Autoinhibitory Peptide, Cell 207001-1MGCN	1 mg	23270
Calcineurin Inhibitor VIII, CN585 207003-10MGCN	10 mg	15870
Calcineurin Substrate 207008-500UGCN	500 ug	19580
Calcium-activated Chloride Channel Inhib 208293-10MGCN	10 mg	20960
Calmidazolium Chloride 208665-10MGCN	10 mg	13420
Calmodulin Binding Domain 208734-1MGCN	1 mg	19260
Calmodulin Inhibitory Peptide 208735-500UGCN	500 ug	15870
Calmodulin Inhibitory Peptide, Control 208736-500UGCN	500 ug	19260
Calpain Inhibitor III 208722-25MGCN	25 mg	17110
Calpain Inhibitor IV 208724-1MGCN	1 mg	28040
Calpain Inhibitor Set 208733-1SETCN	1 set	47730
Calpain Inhibitor V 208726-1MGCN	1 mg	28040
Calpain Inhibitor VI 208745-1MGCN	1 mg	7270
208745-5MGCN	5 mg	25570
Calpain Inhibitor XI 208743-1MGCN	1 mg	13260
208743-5MGCN	5 mg	44040

Catalog No.	Pack	Unit Price ₹
Calpain Substrate II, Fluorogenic 208731-25MGCN	25 mg	12040
Calpain Substrate-III, Fluorogenic 208771-1MGCN	1 mg	29270
Calpain-1 Substrate II, Fluorogenic 208772-1MGCN	1 mg	27880
Calpain-1 Substrate, Fluorogenic 208748-2MGCN	2 mg	24350
CalpainSubstrateIV,Cell-Permeable,Fluoro 208773-1MGCN	1 mg	24350
Calpastatin Peptide 208902-500UGCN	500 ug	20800
Calpastatin Peptide, Negative Control 208904-500UGCN	500 ug	20500
Calpastatin, Human, Recombinant 208900-1MGCN	1 mg	26650
Calpeptin 03-34-0051-5MGCN	5 mg	10960
03-34-0051-25MGCN	25 mg	29270
03-34-0051-100MGCN	100 mg	84510
Calphostin C, C. cladosporioides 208725-50UGCN	50 ug	12180
208725-100UGCN	100 ug	22030
Calyculin A, Discodermia calyx 208851-10UGCN	10 ug	17110
CaMK IINTide 208920-1MGCN	1 mg	14650
CaMK IINTide, Myristoylated 208921-1MGCN	1 mg	17110
CaMKII Inhibitor, CK59 208922-5MGCN	5 mg	23270
CaMKP Inhibitor 208775-100MGCN	100 mg	13260
cAMPS, 8-Bromo-, Rp-Isomer, Sodium Salt 116816-5UMOLCN	5 umol	62510
cAMPS, 8-Bromo-, Sp-Isomer, Sodium Salt 116818-5UMOLCN	5 umol	38650
cAMPS, Rp-Isomer, TEA Salt 116814-5UMOLCN	5 umol	29270
cAMPS, Sp-Isomer, TEA Salt 116815-10UMOLCN	10 umol	35420
Camptothecin, 10-Hydroxy- 390238-25MGCN	25 mg	14490
Camptothecin, Camptotheca acuminata 208925-50MGCN	50 mg	8490
Cancer Hydrolase KIAA1363 Inhibitor, JW480 420175-10MGCN	10 mg	14170
Cantharidic Acid 210150-10MGCN	10 mg	9730
CAPE 211200-25MGCN	25 mg	14650
Capsaicin 211275-100MGCN	10 mg	8490
Capsazepine 211280-10MGCN	10 mg	34040

Catalog No.	Pack	Unit Price ₹
Captopril 211875-1MGCN	1 gm	6030
Carbachol 212385-100MGCN	100 mg	7270
Carbonic Anhydrase IX Inhibitor III, Methazolamide 215902-50MGCN	50 mg	16290
Carbonic Anhydrase IX/XII Inhibitor 215900-5MGCN	5 mg	16290
Carbonic Anhydrase IX/XII Inhibitor II, U-104 215901-5MGCN	5 mg	13420
Carbonyl Cyanide m-Chlorophenylhydrazone 215911-250MGCN	250 mg	10960
Carboplatin 216100-25MGCN	25 mg	10960
Carboxyatractyloside, Potassium Salt, 216201-2MGCN	2 mg	19260
216201-5MGCN	5 mg	32810
Carboxypeptidase B, Porcine Pancreas 217356-1MGCN	1 mg	10960
Carboxy-PTIO, Sodium Salt 217386-10MGCN	10 mg	14360
Cardiogenol C 217460-5MGCN	5 mg	22950
Cardiotoxin 217504-1MGCN	1 mg	75510
CARM1 Inhibitor 217531-10MGCN	10 mg	16910
Casein Kinase I Inhibitor II, PF-670462 218716-5MGCN	5 mg	19420
Casein Kinase I Inhibitor III, PF-4800567 218719-5MGCN	5 mg	36030
Casein Kinase I Inhibitor V, LH846 218850-10MGCN	10 mg	22870
Casein Kinase I Inhibitor, D4476 218696-1MGCN	1 mg	17110
Casein Kinase II Inhibitor I (TBB) 218697-10MGCN	10 mg	10960
Casein Kinase II Inhibitor III, TBCA 218710-5MGCN	5 mg	15870
Casein Kinase II Inhibitor IV 218713-5MGCN	5 mg	26800
Casein Kinase II Inhibitor IX, IQA 218714-5MGCN	5 mg	22950
Casein Kinase II Inhibitor VI, TMCB 218718-10MGCN	10 mg	11510
Casein Kinase II Inhibitor VIII 218860-10MGCN	10 mg	22870
Casein Kinase II Inhibitor V, Quinalizarin 218717-50MGCN	50 mg	12180
Caspase Inhibitor I 627610-1MGCN	1 mg	25730
627610-5MGCN	5 mg	54050
Caspase Inhibitor I, Biotin Conjugate 218742-1MGCN	1 mg	61890

Catalog No.	Pack	Unit Price ₹
Caspase Inhibitor II 218735-1MGCN	1 mg	9730
Caspase Inhibitor II, Cell-Permeable 218830-1MGCN	1 mg	25420
Caspase Inhibitor III 218745-250UGCN	250 ug	8490
218745-1MGCN	1 mg	22030
Caspase Inhibitor Set I 235429-1SETCN	1 set	58030
Caspase Inhibitor Set II 218772-1SETCN	1 set	88200
Caspase Inhibitor Set III 218806-1SETCN	1 set	82050
Caspase Inhibitor Set IV 218825-1SETCN	1 set	47730
Caspase Inhibitor VI 219007-250UGCN	250 ug	9730
219007-1MGCN	1 mg	24350
Caspase Inhibitor, Negative Control 342000-1MGCN	1 mg	11510
342000-5MGCN	5 mg	46350
Caspase Modulator I, 1541 264157-10MGCN	10 mg	15730
Caspase Modulator II, 1541B 264158-10MGCN	10 mg	15730
Caspase Substrate Set IV, Fluorogenic 218809-1SETCN	1 set	85740
Caspase-1 Inhibitor I 400010-1MGCN	1 mg	8490
400010-5MGCN	5 mg	35420
Caspase-1 Inhibitor I, Cell-Permeable 400011-1MGCN	1 mg	24490
Caspase-1 Inhibitor II 400012-5MGCN	5 mg	31730
Caspase-1 Inhibitor IV 400015-1MGCN	1 mg	13420
Caspase-1 Inhibitor VI 218746-250UGCN	250 ug	13420
218746-1MGCN	1 mg	40350
Caspase-1 Substrate VI, Fluorogenic 688225-5MGCN	5 mg	40350
Caspase-1 Substrate X, Fluorogenic 218739-5MGCN	5 mg	21730
Caspase-2 Inhibitor I 218744-1MGCN	1 mg	45270
218744-250UGCN	250 ug	15870
Caspase-2 Substrate I, Fluorogenic 218740-5MGCN	5 mg	28310
Caspase-3 Activator, BETT 235428-50MGCN	50 mg	12180
Caspase-3 Inhibitor I 235420-1MGCN	1 mg	9730
235420-5MGCN	5 mg	39110
Caspase-3 Inhibitor I, Cell-Permeable 235423-1MGCN	1 mg	23270

Catalog No.	Pack	Unit Price ₹
Caspase-3 Inhibitor II 264155-250UGCN	250 ug	12180
264155-1MGCN	1 mg	34190
Caspase-3 Inhibitor III 218750-1MGCN	1 mg	9730
218750-5MGCN	5 mg	37890
Caspase-3 Inhibitor IV 235421-1MGCN	1 mg	12180
235421-5MGCN	5 mg	41270
Caspase-3 Inhibitor V 219002-1MGCN	1 mg	36650
Caspase-3 Inhibitor VII 219012-10MGCN	10 mg	25420
Caspase-3 Substrate I, Colorimetric 235400-5MGCN	5 mg	13420
Caspase-3 Substrate II, Fluorogenic 235425-1MGCN	1 mg	9730
235425-5MGCN	5 mg	37890
Caspase-3 Substrate IV, Fluorogenic 264150-1MGCN	1 mg	10740
264150-5MGCN	5 mg	43730
Caspase-3 Substrate IX, Fluorogenic 218829-1MGCN	1 mg	23110
Caspase-3 Substrate VII, Fluorogenic 264151-1MGCN	1 mg	10960
264151-5MGCN	5 mg	45110
Caspase-3/7 Inhibitor I 218826-1MGCN	1 mg	13420
Caspase-3/7 Inhibitor II 218832-1MGCN	1 mg	14650
Caspase-4 Inhibitor I 218755-1MGCN	1 mg	8490
Caspase-4 Inhibitor I, Cell-Permeable 218766-1MGCN	1 mg	24350
Caspase-5 Inhibitor I 218753-1MGCN	1 mg	48660
Caspase-6 Inhibitor I 218757-250UGCN	250 ug	14490
218757-1MGCN	1 mg	40190
Caspase-6 Inhibitor II, Cell-Permeable 218767-1MGCN	1 mg	30490
Caspase-6 Inhibitor XII, pep419 218833-5MGCN	5 mg	21220
Caspase-6 Substrate III, Fluorogenic 218763-5MGCN	5 mg	25720
Caspase-8 Inhibitor I, Cell-Permeable 218773-1MGCN	1 mg	24490
Caspase-8 Inhibitor II 218759-250UGCN	250 ug	12180
218759-1MGCN	1 mg	39110
Caspase-9 Inhibitor I 218761-250UGCN	250 ug	17110
218761-1MGCN	1 mg	42800
Caspase-9 Inhibitor II, Cell Permeable 218776-1MGCN	1 mg	23270
Caspase-9 Inhibitor III 218728-1MGCN	1 mg	13260

Catalog No.	Pack	Unit Price ₹
Caspase-9 Substrate I, Fluorogenic		
218765-1MGCN	1 mg	12790
218765-5MGCN	5 mg	43880
Caspase-9 Substrate II, Colorimetric		
218805-5MGCN	5 mg	17110
Castanospermine, <i>Castanospermum australe</i>		
218775-1MGCN	1 mg	6030
Cathepsin B Inhibitor II		
219385-1MGCN	1 mg	10960
Cathepsin B Substrate III, Fluorogenic		
219392-25MGCN	25 mg	13260
Cathepsin D Substrate I		
219399-10MGCN	10 mg	9730
Cathepsin D/E Substrate, Fluorogenic		
219360-1MGCN	1 mg	28040
Cathepsin G Inhibitor I		
219372-1MGCN	1 mg	20800
Cathepsin G Substrate I, Colorimetric		
219407-25MGCN	25 mg	14490
Cathepsin G Substrate IV, Fluorogenic		
219474-1MGCN	10 mg	20650
Cathepsin Inhibitor I		
219415-1MGCN	1 mg	14650
Cathepsin Inhibitor III		
219419-1MGCN	1 mg	14650
Cathepsin K Inhibitor I		
219377-5MGCN	5 mg	23110
Cathepsin K Inhibitor II		
219379-1MGCN	1 mg	14490
Cathepsin K Inhibitor III		
219381-1MGCN	1 mg	25420
Cathepsin K Substrate II, Fluorogenic		
219555-1MGCN	1 mg	18030
Cathepsin L Inhib III		
219427-5MGCN	5 mg	14650
Cathepsin L Inhibitor I		
219421-1MGCN	1 mg	12180
Cathepsin L Inhibitor II		
219426-5MGCN	5 mg	9570
Cathepsin L Inhibitor IV		
219433-1MGCN	1 mg	12040
Cathepsin L Inhibitor, CAA0225		
219502-1MGCN	1 mg	17110
Cathepsin L Substrate I, Fluorogenic		
219497-2MGCN	2 mg	21730
Cathepsin S Inhibitor		
219393-1MGCN	1 mg	12180
Cathepsin S Substrate, Fluorogenic		
219498-1MGCN	1 mg	19260
Caveolin-1 Scaffold Dom Peptide Neg Ctrl		
219483-1MGCN	1 mg	30490
Caveolin-1 Scaffolding Domain Peptide		
219482-1MGCN	1 mg	28040
CBF beta Inhibitor		
219505-10MGCN	10 mg	15730

Catalog No.	Pack	Unit Price ₹
CBFbeta Activator, Kartogenin		
420358-25MGCN	25 mg	17930
CBFb-Runx1 Inhibitor II, Ro5-3335		
219506-10MGCN	10 mg	22870
CBP-CREB Interaction Inhibitor		
217505-250MGCN	250 mg	8490
CCR2 Antagonist		
227016-5MGCN	5 mg	19580
CCR4 Antagonist		
227013-5MGCN	5 mg	16810
Cdc25 Inhibitor IV, NSC 95397		
217694-10MGCN	10 mg	16290
CDC25 Phosphatase Inhibitor I, BN82002		
217691-5MGCN	5 mg	14490
CDC25 Phosphatase Inhibitor II		
217692-5MGCN	5 mg	21730
Cdc2-Like Kinase Inhibitor IV, KH-CB19		
219511-10MGCN	10 mg	32740
Cdc2-Like Kinase Inhibitor, TG003		
219479-5MGCN	5 mg	13260
Cdc42/Rac1 GTPase Inhibitor, ML141		
217708-25MGCN	25 mg	20960
Cdc7/Cdk9 Inhibitor		
217707-5MGCN	5 mg	24350
CDK Inhibitor Set		
219428-1SETCN	1 set	25570
Cdk Inhibitor, p35		
219457-1MGCN	1 mg	12040
Cdk/CKI Inhibitor, (R)-DRF053		
219494-5MGCN	5 mg	25420
Cdk/Crk Inhibitor		
219491-1MGCN	1 mg	19260
Cdk1 Inhibitor		
217695-5MGCN	5 mg	15380
Cdk1 Inhibitor III		
217697-1MGCN	1 mg	13260
Cdk1 Inhibitor IV, RO-3306		
217699-5MGCN	5 mg	25730
Cdk1 Inhibitor, CGP74514A		
217696-5MGCN	5 mg	31730
Cdk1/2 Inhibitor II, NU6102		
217713-1MGCN	1 mg	13260
217713-5MGCN	5 mg	26650
Cdk1/2 Inhibitor III		
217714-1MGCN	1 mg	12180
Cdk1/5 Inhibitor		
217720-5MGCN	5 mg	19260
Cdk2 Inhibitor II		
219445-1MGCN	1 mg	6030
219445-5MGCN	5 mg	19260
Cdk2 Inhibitor III		
238803-1MGCN	1 mg	8490
238803-5MGCN	5 mg	31430
Cdk2 Inhibitor IV, NU6140		
238804-5MGCN	5 mg	20650

Catalog No.	Pack	Unit Price ₹
Cdk2/9 Inhibitor		
238806-5MGCN	5 mg	24350
Cdk4 Inhibitor		
219476-1MGCN	1 mg	12180
Cdk4 Inhibitor II, NSC 625987		
219477-5MGCN	5 mg	17110
Cdk4 Inhibitor III		
219478-5MGCN	5 mg	19260
Cdk4 Inhibitor V		
219503-5MGCN	5 mg	28220
Cdk4/6 Inhibitor IV		
219492-5MGCN	5 mg	17110
Cdk9 Inhibitor II *CAN508*		
238811-5MGCN	5 mg	23270
Celastrol, <i>Celastrus scandens</i>		
219465-10MGCN	10 mg	19580
CENTA B-LACTAMASE SUBSTRATE		
219475-25MGCN	25 mg	26800
CEP-701		
219499-5MGCN	5 mg	30350
Ceramide Kinase Inhibitor II, NVP-231		
219493-10MGCN	10 mg	20500
Ceramide Kinase Inhibitor, K1		
219489-1MGCN	1 mg	25570
Ceranib-2		
219556-10MGCN	10 mg	26160
cFMS Receptor Inhibitor II		
344037-1MGCN	1 mg	10960
cFMS Receptor Inhibitor III		
344038-1MGCN	1 mg	12040
cFMS Receptor Inhibitor IV		
344039-5MGCN	5 mg	22950
cFMSR Tyrosine Kinase Inhibitor GW2580		
344036-1MGCN	1 mg	12180
CFTR Inhibitor II, GlyH-101		
219671-5MGCN	5 mg	17110
CFTR Inhibitor III, OXO-172		
219672-10MGCN	10 mg	12040
CFTR Inhibitor IV, PPQ-102		
219677-10MGCN	10 mg	20500
CFTR Inhibitor-172		
219670-5MGCN	5 mg	14650
CFTR-F508del Corrector II, Corr-4a		
219673-10MGCN	10 mg	19260
CFTR-F508del Corrector, KM11060		
219676-5MGCN	5 mg	10960
CGP-37157		
220005-5MGCN	5 mg	18190
Chelerythrine Chloride		
220285-5MGCN	5 mg	14650
Chk2 Inhibitor		
220485-500UGCN	500 ug	28040
Chk2 Inhibitor II		
220486-1MGCN	1 mg	13420

Catalog No.	Pack	Unit Price ₹
Chk2 Inhibitor, PV1019 220488-10MGCN	10 mg	10960
CHKtide 220489-1MGCN	1 mg	18030
Chlorpromazine, HCl 215921-500MGCN	500 mg	8490
Cholera Toxin, B Sub, Inaba 569B, HRP 227041-100UGCN	100 ug	46350
Cholera Toxin, B Subunit 227039-1MGCN	1 mg	95250
Cholera Toxin, Vibrio cholerae 227036-1MGCN	1 mg	32740
Cholesterol, Highly Purified 228111-5GMCN	5 gm	6030
Choline Kinase- α Inhibitor, CK37 229103-5MGCN	5 mg	16290
Chymostatin 230790-5MGCN	5 mg	10210
230790-10MGCN	10 mg	17110
230790-25MGCN	25 mg	36650
Chymotrypsin Substrate II, Fluorogenic 230914-25MGCN	25 mg	10960
Chymotrypsin, Human Pancreas 230900-50UGCN	50 ug	24490
Ciglitazone 230950-5MGCN	5 mg	16950
Cilostamide 231085-10MGCN	10 mg	25420
Cisplatin 232120-50MGCN	50 mg	10550
CL-387,785 233100-1MGCN	1 mg	13420
CL-82198 233105-5MGCN	5 mg	26650
clasto-Lactacystin b-Lactone 426102-100UGCN	100 ug	29270
Clioquinol 233165-1GMCN	1 gm	7270
Clodronate, Disodium Salt 233183-10MGCN	10 mg	10960
c-Met Kinase Inhibitor III 448105-2MGCN	2 mg	19420
c-Met/RON Dual Kinase Inhibitor 448104-5MGCN	5 mg	24350
c-Myc Inhibitor 475956-10MGCN	10 mg	13420
c-Myc Inhibitor II 475957-10MGCN	10 mg	10800
c-Myc Inhibitor III, Mycro2 475965-10MGCN	10 mg	17930
Colcemid 234109-5MGCN	5 mg	10960
Colchicine, Colchicum autumnale 234115-1GMCN	1 gm	10960
234115-5GMCN	5 gm	55120

Catalog No.	Pack	Unit Price ₹
Collagenase Inhibitor I 234140-5MGCN	5 mg	8490
Combretastatin A-4 234200-10MGCN	10 mg	18030
Compound 401 234501-5MGCN	5 mg	22950
Compound 56 234505-500UGCN	500 ug	26650
Conduritol B Epoxide 234599-100MGCN	100 mg	31730
Corticosterone 235135-1GMCN	1 gm	16950
COX-1 Inhibitor IV, TFAP 236007-10MGCN	10 mg	18030
COX-1 Inhibitor, FR122047 236005-5MGCN	5 mg	20500
COX-2 Inhibitor I 236011-5MGCN	5 mg	26800
COX-2 Inhibitor II 236012-5MGCN	5 mg	17110
COX-2 Inhibitor III 236013-25MGCN	25 mg	19260
COX-2 Inhibitor V, FK3311 236015-5MGCN	5 mg	20500
cPLA2 α Inhibitor 525143-500UGCN	500 ug	24490
CR8, (R)-Isomer 203881-5MGCN	5 mg	74200
CR8, (S)-Isomer 203882-5MGCN	5 mg	71890
CRAC Channel Inhibitor III, Pyr6 203891-10MGCN	10 mg	27800
CRAC Channel Inhibitor IV, EVP4593 481417-5MGCN	5 mg	17930
CRAC Channel Inhibitor, BTP2 203890-5MGCN	5 mg	14650
C-Raf Inhibitor 475958-20MGCN	20 mg	26650
Creatine Phosphate, Dipotassium Salt 237911-250MGCN	250 mg	12180
237911-1GMCN	1 gm	39110
Creatine Phosphate, Disodium Salt 2380-5GMCN	5 gm	7270
2380-25GMCN	25 gm	28040
Cremophor EL®, Sterilized 238470-1SETCN	1 set	14930
CRM1 Inhibitor III 238100-10MGCN	10 mg	19580
Cryptochrome Activator, KL001 233624-25MGCN	25 mg	26990
Cryptotanshinone 233630-10MGCN	10 mg	15730
Cucurbitacin I, Cucumis sativus L. 238590-1MGCN	1 mg	23270
Curcumin, Curcuma longa L. 239802-100MGCN	100 mg	4800

Catalog No.	Pack	Unit Price ₹
CXCR2 Antagonist, Cpd 19 239819-2MGCN	2 mg	19380
CXCR3 Agonist, PS372424 239823-5MGCN	5 mg	24510
CXCR3 Antagonist 5.00486.0001	1 mg	19580
CXCR4 Antagonist I, AMD3100 239820-5MGCN	5 mg	10960
CXCR4 Antagonist II 239821-10MGCN	10 mg	17110
CXCR4 Antagonist III 239822-10MGCN	10 mg	25480
CXCR7 Agonist, VUF11207 239824-10MGCN	10 mg	26990
Cyclo(Arg-Gly-Asp-D-Phe-Val) 182015-1MGCN	1 mg	22030
Cyclooxygenase Inhibitor Set 239783-1SETCN	1 set	48660
Cyclopamine, V. californicum 239803-1MGCN	1 mg	17110
239803-5MGCN	5 mg	48330
Cyclopamine-KAAD 239804-100UGCN	100 ug	24350
239804-500UGCN	500 ug	105770
Cyclophilin A Inhibitor 239836-10MGCN	10 mg	13260
Cyclophilin A, Hu., Recom 239777-100UGCN	100 ug	51120
Cyclophosphamide Monohydrate 239785-1GMCN	1 gm	9730
Cyclopiazonic Acid, P. cyclopium 239805-5MGCN	5 mg	8490
Cypermethrin 239900-10MGCN	10 mg	10800
Cystatin C, Human Urine 240896-50UGCN	50 ug	10960
Cytochalasin B, Dihydro- 250225-1MGCN	1 mg	11510
Cytochalasin B, H. dematioideum 250233-5MGCN	5 mg	16670
Cytochalasin D, Zygosporium mansonii 250255-1MGCN	1 mg	13420
Cytoplasmic Dynein Inhibitor, Ciliobrevin D 250401-10MGCN	10 mg	21580
D-(-)-2-Amino-5-phosphonopentanoic Acid 165304-5MGCN	5 mg	13420
D,L-Sulforaphane 574215-25MGCN	25 mg	23110
D609, Potassium Salt 251400-5MGCN	5 mg	23110
Dafadine-A 251530-25MGCN	25 mg	29450
Daidzein 251600-25MGCN	25 mg	7270
D-Amino Acid Oxidase Inhibitor 138000-50MGCN	50 mg	9730

Catalog No.	Pack	Unit Price ₹
D-Amino Acid Oxidase Inhibitor II, CBIO 138001-50MGCN	50 mg	9730
D-Amino Acid Oxidase Inhibitor III, AS057278 251406-50MGCN	50 mg	19580
Daminozide 251635-1GMCN	1 GM	9710
Damnacanthol 251650-1MGCN	1 mg	22030
Dantrolene, Sodium Salt 251680-100MGCN	100 mg	8490
DAPK Inhibitor 324788-10MGCN	10 mg	10960
Daunorubicin, HCl 251800-5MGCN	5 mg	8320
Deltamethrin 253300-10MGCN	10 mg	13420
Demethylasterriquinone B1 260010-5MGCN	5 mg	40190
Deoxygalactonojirimycin, HCl 259544-5MGCN	5 mg	23110
Deoxyhypusine Synthase Inhibitor, GC7 259545-10MGCN	10 mg	12180
Dephostatin 263200-1MGCN	1 mg	15730
D-erythro-Sphingosine, N,N-Dimethyl- 310500-5MGCN	5 mg	13260
D-erythro-MAPP 454863-1MGCN	1 mg	21730
D-erythro-Sphingosine, Dihydro-, N-Ac 219537-5MGCN	5 mg	9730
D-erythro-Sphingosine, High Purity 567726-10MGCN	10 mg	12180
D-erythro-Sphingosine, N-Acetyl- 110145-5MGCN	5 mg	10960
D-erythro-Sphingosine, N-Hexanoyl- 376650-5MGCN	5 mg	9730
D-erythro-Sphingosine-1-phosphate 567727-1MGCN	1 mg	19580
Dexamethasone 265005-100MGCN	100 mg	9730
DGAT-1 Inhibitor, A 922500 252801-5MGCN	5 mg	25570
DHEA 252805-10GMCN	10 gm	20800
Diacylglycerol Kinase Inhibitor I 266785-5MGCN	5 mg	13420
Diacylglycerol Kinase Inhibitor II 266788-5MGCN	5 mg	13420
Diclofenac Sodium 287840-1GMCN	1 gm	4800
Dicoumarol 287897-500MGCN	500 mg	7270
DIDS, Disodium Salt 309795-250MGCN	250 mg	15730

Catalog No.	Pack	Unit Price ₹
Diethyl Pyrocarbonate 298711-25GMCN	25 gm	11940
298711-100GMCN	100 gm	42660
Diethylamine NONOate 292500-10MGCN	10 mg	4800
Diethylamine NONOate/AM 292505-1MGCN	1 mg	14650
292505-5MGCN	5 mg	48810
Diltiazem, HCl 309866-100MGCN	100 mg	8490
Dipeptidyl Peptidase IV (CD26), Porcine 317640-250MIUCN	250 MIU	39270
Dipeptidylpeptidase IV Inhibitor I 416200-5MGCN	5 mg	17110
Dipeptidylpeptidase IV Inhibitor III 317641-5MGCN	5 mg	24190
Dipeptidylpeptidase IV Inhibitor IV, K57 317642-5MGCN	5 mg	23110
Dipeptidylpeptidase IV, His*Tag, Hu., Recom 317639-5MIUCN	5 MIU	49120
Diphenyleneiodonium Chloride 300260-10MGCN	10 mg	8490
Diphtheria Toxin, CRM Mutant 322327-1MGCN	1 mg	78050
Diphtheria Toxin, Unnicked 322326-1MGCN	1 mg	74810
Dkk-1 Inhibitor, WAY-262611 317700-10MGCN	10 mg	15870
DL-2-Mercaptomethyl-3-guanidinoethylthio 445825-100MGCN	100 mg	13260
DL-a-Difluoromethylornithine, HCl 288500-25MGCN	25 mg	10800
DL-a-Lipoic Acid, Dihydro- 437694-50MGCN	50 mg	8490
DL-Thiorphan 598510-10MGCN	10 mg	30350
DL-threo-PDMP, HCl 513100-50MGCN	50 mg	21730
DMBO 317201-10MGCN	10 mg	8900
D-myo-Inositol 1,4,5-Trisphosphate, 3Na 407137-1MGCN	1 mg	13420
D-myo-Inositol 1,4,5-TrisPO4, 3Deoxy3-Fl 407129-100UGCN	100 ug	13260
D-myo-Inositol Hexakisphosphate 12Na 407125-25MGCN	25 mg	14650
DNA Base Excision Repair Path Inhibitor 262015-25MGCN	25 mg	10960
DNA Methyltransferase Inhibitor RG108 260920-10MGCN	10 mg	19580
DNA Repair Pathway Inhibitor, NS-123 323115-25MGCN	25 mg	20500
DNAMethyltransferaseInhibitorII,SGI-1027 260921-10MGCN	10 mg	19580
DNA-PK Inhibitor 260960-10MGCN	10 mg	10210

Catalog No.	Pack	Unit Price ₹
DNA-PK Inhibitor II 260961-5MGCN	5 mg	19580
DNA-PK Inhibitor III 260962-1MGCN	1 mg	13260
DNA-PK Inhibitor V 260964-1MGCN	1 mg	16810
260964-5MGCN	5 mg	47580
Domoic Acid, Mytilus edulis 324378-1MGCN	1 mg	14650
Donepezil Hydrochloride 324377-50MGCN	10 mg	13260
Dopamine Receptor Antagonist II, Thioridazine, HCl 324387-2GMCN	2 gm	7390
Doxycycline, HCl 324385-1GMCN	1 gm	6030
DP2 Antagonist I 300264-2MGCN	2 mg	31090
DP2 Antagonist II 300266-2MGCN	2 mg	31090
DPPH, Free Radical 300267-50MGCN	50 mg	5810
Drosophila Antennapedia Homeo-Domain 287895-1MGCN	1 mg	14490
DualSpecificityProteinPhosphatase1/6Inhi 317496-10MGCN	10 mg	12180
DUB Inhibitor IV, b-AP15 662140-10MGCN	10 mg	20960
DUB Inhibitor V, PR-619 662141-25MGCN	25 mg	17940
DUB Inhibitor VI, P22077 662142-25MGCN	25 mg	26160
D-Val-Phe-Lys Chloromethyl Ketone, DiHCl 627624-5MGCN	5 mg	19580
Dvl-PDZ Domain Inhibitor II 322338-10MGCN	10 mg	10960
Dvl-PDZ Domain Inhibitor, Peptide Pen-N3 322337-2MGCN	2 mg	18030
Dynamin Inhibitor I, Dynasore 324410-10MGCN	10 mg	12180
Dynamin Inhibitor II, MitMAB 324411-500MGCN	500 mg	7270
Dynamin Inhibitor III, Phthaladyn-23 324412-10MGCN	10 mg	13260
Dynamin Inhibitor IV, Hydroxy-Dynasore 324413-10MGCN	10 mg	18030
Dynamin Inhibitor V, 34-2 324414-10MGCN	10 mg	26160
E2F Inhibitor, HLM006474 324461-10MGCN	10 mg	14650
E-4031 324470-5MGCN	5 mg	29270
E-64 Protease Inhibitor 324890-1MGCN	1 mg	4800
324890-5MGCN	5 mg	19580
324890-25MGCN	25 mg	73580

Catalog No.	Pack	Unit Price ₹
e-Amino-n-caproic Acid 1381-500MGCN	500 gm	14650
Ebselen 324483-5MGCN	5 mg	10800
E-Cadherin Upregulator, ResEcad 205615-10MGCN	10 mg	12180
Echinomycin Streptomyces sp. 330175-1MGCN	1 mg	12180
Ecotin, E. coli 330200-100UGCN	100 ug	22950
eEF-2 Kinase Inhibitor, NH125 324515-5MGCN	5 mg	25420
eEF2K Inhibitor, A-484954 324516-10MGCN	10 mg	27800
Eeyarestatin I 324521-25MGCN	25 mg	20800
EF24 324510-10MGCN	10 mg	10960
Eg5 Inhibitor III, Dimethylenastron 324622-1MGCN	1 mg	12040
324622-5MGCN	5 mg	34040
Eg5 Inhibitor IV, VS-83 324623-5MGCN	5 mg	31570
Eg5 Inhibitor VI 324629-5MGCN	5 mg	41270
Eg5 Inhibitor VII 324631-5MGCN	5 mg	21840
EGF/FGF/PDGF Receptor Tyrosine Kinase 324841-2MGCN	2 mg	16810
EGFR Inhibitor 324674-1MGCN	1 mg	12180
EGFR Inhibitor II, BIBX 1382 324832-5MGCN	5 mg	24350
EGFR Inhibitor III *TKS050* 324833-5MGCN	5 mg	24350
EGFR/ErbB-2 Inhibitor 324673-1MGCN	1 mg	12180
EGFR/ErbB-2/ErbB-4 Inhibitor 324840-1MGCN	1 mg	17110
EGFR/ErbB-2/ErbB-4 Inhibitor II 324842-5MGCN	5 mg	16950
EHNA, Hydrochloride 324630-10MGCN	10 mg	8490
Eicosapentaenoic Acid 324875-25MGCN	25 mg	12180
eIF-2 alpha Inhibitor II, Sal003 324896-5MGCN	5 mg	18340
EIF2AK3 Activator, CCT020312 324879-5MGCN	5 mg	21010
eIF-2alpha Inhibitor, Salubrinol 324895-5MGCN	5 mg	18340
eIF2-GTP-tRNAiMetTernaryComplexInhib, BTdCPU 324892-10MGCN	10 mg	8900
eIF2-GTP-tRNAiMetTernaryComplexInhibNCPdCPU 324889-10MGCN	10 mg	8900

Catalog No.	Pack	Unit Price ₹
eIF4E/eIF4G Interaction Inhibitor II, 4E 324518-10MGCN	10 mg	20500
eIF4E/eIF4G Interaction Inhibitor, 4EGI-1 324517-10MGCN	10 mg	22030
Elastase Inhibitor I 324692-1MGCN	1 mg	18030
Elastase Inhibitor II 324744-5MGCN	5 mg	25570
Elastase Inhibitor III 324745-5MGCN	5 mg	19580
Elastase Inhibitor IV, ONO-5046 324759-1MGCN	1 mg	9730
Elastase Inhibitor V 324761-25MGCN	25 mg	26160
Elastase Substrate I, Colorimetric 324696-10MGCN	10 mg	7270
Elastase Substrate IV, Colorimetric 324699-5MGCN	5 mg	12180
Elastase Substrate V, Fluorogenic 324740-25MGCN	25 mg	10960
Elastatinal 324691-5MGCN	5 mg	14490
Ellagic Acid, Dihydrate 324683-500MGCN	500 mg	8490
Ellipticine 324688-10MGCN	10 mg	9730
Emetine, DiHCl 324693-250MGCN	250 mg	7270
Emodin 324694-50MGCN	50 mg	18340
Endopeptidase Lys-C, A. lyticus 324796-2UCN	2 u	24490
Endopeptidase, Neutral, Porcine Kidney 324762-100UGCN	100 ug	33110
Endoproteinase Asp-N, Excision Gr. 324708-2UCN	2 ug	15870
Endoproteinase Glu-C, Excision Grade 324713-50UGCN	50 ug	17110
Endoproteinase Glu-C, S. aureus 324712-20UCN	20 u	19420
Endoproteinase Lys-C, Excision Grade 324715-5UGCN	5 ug	23890
Endoproteinase Lys-C, L. enzymogenes 324714-3UCN	3 u	35580
Endothall 324760-20MGCN	20 mg	8490
Enterotoxin Type B 324798-500UGCN	500 UG	134740
Epigenetic Multiple Ligand 324888-10MGCN	10 mg	16810
Epigenetic Regulators Panel - Acetylation 324893-1EACN	1 EA	203830
Epigenetic Regulators Panel - Methylation 324894-1EACN	1 EA	203830
Epirubicin HCl 324905-5MGCN	5 mg	20500

Catalog No.	Pack	Unit Price ₹
Epothilone B, Synthetic 325001-1MGCN	1 mg	17930
Epoxomicin, Synthetic 324800-100UGCN	100 ug	28190
Erastin 329600-5MGCN	5 mg	20800
ErbB-2 Inhibitor II 324732-5MGCN	5 mg	17110
ERK Activation Inhibitor Peptide I, Cell 328000-1MGCN	1 mg	19580
ERK Activation Inhibitor Peptide II, Cel 328005-1MGCN	1 mg	25570
ERK Inhibitor 328006-5MGCN	5 mg	12180
ERK Inhibitor II *FR180204* 328007-1MGCN	1 mg	20800
ERK Inhibitor II, Neg Control *FR180289* 328008-1MGCN	1 mg	21730
ERK Inhibitor III 328009-5MGCN	5 mg	14490
ERK Kinase Kinase 5 Inhibitor 178506-10MGCN	10 mg	26160
ERO1 Inhibitor I, Erodoxin 328500-25MGCN	25 mg	29450
ERO1 Inhibitor II, EN460 328501-25MGCN	25 mg	24510
EST 330005-1MGCN	1 mg	14650
ET-18-OCH3 341207-5MGCN	5 mg	10960
Etomoxir 236020-5MGCN	5 mg	24490
Etoposide 341205-25MGCN	25 mg	6030
ETYA 434741-20MGCN	20 mg	30350
EUK-8 341209-10MGCN	10 mg	13000
Exo1 341220-25MGCN	25 mg	14490
Exotoxin A, Pseudomonas aeruginosa 341215-1MGCN	1 mg	42660
Ezrin Inhibitor, NSC668394 341216-10MGCN	10 mg	14030
FAAH Inhibitor II 341249-5MGCN	5 mg	8490
FABP4 Inhibitor 341310-5MGCN	5 mg	17110
Fas/FasL Antagonist, Kp7-6 341291-25MGCN	25 mg	34190
Fascaplysin, Synthetic 341251-1MGCN	1 mg	10960
Fasentin 341305-25MGCN	25 mg	22950

Catalog No.	Pack	Unit Price ₹
Fatostatin 341329-25MGCN	25 mg	15870
Fatty Acid Synthase Inhibitor, Cpd 10v 341326-5MGCN	5 mg	29450
Ferrostatin-1 341494-25MGCN	25 mg	26160
FeTMPyP 5,10,15,20-TETRAKIS(N-METHYL- 341501-10MGCN	10 mg	8490
FeTPPS 5,10,15,20-TETRAKIS(4-SULFONAT 341492-25MGCN	25 mg	8490
FGF Receptor Tyrosine Kinase Inhibitor 341608-5MGCN	5 mg	18190
FGF/PDGF/VEGF RTK Inhibitor 341610-5MGCN	5 mg	18030
FGF/VEGF Receptor Tyrosine Kinase Inhibi 341607-5MGCN	5 mg	37890
FGF-2 Inhibitor, NSC37204 341598-10MGCN	10 mg	13260
FGFReceptorTyrosineKinaseInhibitorIV,NP6 341609-5MGCN	5 mg	22950
FK-506 342500-5MGCN	5 mg	17110
Flt-3 Inhibitor 343020-5MGCN	5 mg	19580
Flt3 Inhibitor II 343021-1MGCN	1 mg	51120
Flt3 Inhibitor III 343022-5MGCN	5 mg	22950
Flt3 Inhibitor IV 343023-5MGCN	5 mg	41270
Fluorescein Diacetate 343209-5GMCN	5 gm	8920
Fluoxetine, Hydrochloride 343290-25MGCN	25 mg	24190
Flurbiprofen 344079-100MGCN	100 mg	6030
Fluvastatin, Sodium Salt 344095-25MGCN	25 mg	25570
Focal Adhesion Kinase Inhibitor I 324877-5MGCN	5 mg	9730
Focal Adhesion Kinase Inhibitor II 324878-10MGCN	10 mg	27800
FOCUS-Protease Arrest Cocktail 344045-1MLCN	1 ml	26650
Folimycin, Streptomyces sp. 344085-10UGCN	10 ug	12180
Formin FH2 Domain Inhibitor, SMIFH2 344092-10MGCN	10 mg	10960
Formononetin 344215-5MGCN	5 mg	10960
Formyl Peptide Receptor-Like 1 Agonist 344216-5MGCN	5 mg	28040
Formyl Peptide Receptor-Like 1 Antagonis 344220-5MGCN	5 mg	29110

Catalog No.	Pack	Unit Price ₹
Forskolin, 1,9-Dideoxy-, Coleus forskohl 344277-1MGCN	1 mg	14650
Forskolin, 7-Deacetyl-7-methylpiperazino 344273-5MGCN	5 mg	30490
344273-10MGCN	10 mg	51420
Forskolin, Coleus forskohlii 344270-10MGCN	10 mg	18340
344270-25MGCN	25 mg	40350
344270-50MGCN	50 mg	66200
Forskolin, Coleus forskohlii in DMSO 344282-5MGCN	5 mg	11910
Forskolin, NKH477 344281-5MGCN	5 mg	25570
Fostriecin, Streptomyces pulveraceus 344280-10UGCN	10 ug	25570
Foxo1 Inhibitor, AS1842856 344355-10MGCN	10 mg	27520
FPRL1 Agonist II, C43 344149-10MG CN	10 mg	31090
FPT Inhibitor I 344150-1MGCN	1 mg	25570
FPT Inhibitor II 344152-1MGCN	1 mg	12040
FPT Inhibitor III 344154-1MGCN	1 mg	12180
Flase Inhibitor I 344510-1MGCN	1 mg	16950
FTI-2628 344559-500UGCN	500 ug	31430
FTI-276 344550-250UGCN	250 ug	17960
FtsZ Polymer Stabilizer, PC1 344580-5MGCN	5 mg	26160
Fucosyltransferase Inhibitor, 2F-Peracetyl- Fucose 344827-10MGCN	10 mg	30010
Fumagillin, Aspergillus fumigatus 344845-500UGCN	500 ug	12040
Fumitremorgin C, Aspergillus. fumigatus 344847-250UGCN	250 ug	22030
Fumonisin B1, Fusarium moniliforme 344850-1MGCN	1 mg	9730
Fumonisin B2, Fusarium moniliforme 344852-1MGCN	1 mg	22950
Furin Inhibitor I 344930-1MGCN	1 mg	18190
Furin Inhibitor II 344931-1MGCN	1 mg	13420
Furin Substrate, Fluorogenic 344935-5MGCN	5 mg	26800
Furin, Human, Recombinant 344932-50ULCN	50 ul	44190
FUT-175 344960-5MGCN	5 mg	19580
g40-Secretase Inhibitor I 565765-1MGCN	1 mg	15730

Catalog No.	Pack	Unit Price ₹
GAG Agonist, Adhesamine 362331-5MGCN	5 mg	13260
GAG Antagonist, Surfen 362330-100MGCN	100 mg	19260
Galanthamine, HBr 345670-20MGCN	20 mg	11510
Gambogic Acid, Garcinia hanburyi 345701-25MGCN	25 mg	20560
Gamma Secretase Inhibitor XXI,Compound E 565790-500UGCN	500 ug	28040
Ganciclovir 345700-50MGCN	50 mg	21880
Ganglioside GD1a, Disialo, Diammonium 345736-1MGCN	1 mg	13260
Ganglioside GD1b, Diasialo, Human Brain 345742-1MGCN	1 mg	40040
Ganglioside GD2, Disialo, Human Brain 345743-500UGCN	500 ug	45110
Ganglioside GD3, Disialo, Diammonium 345752-1MGCN	1 mg	57580
Ganglioside GM1, Ammonium, Bov. Brain 345724-1MGCN	1 mg	9730
Ganglioside GM1, Asialo, Human Brain 345747-1MGCN	1 mg	43730
Ganglioside GM3, Monosialo, Bov. Milk 345733-500UGCN	500 ug	32960
Ganglioside GM4, Monosialo, Human Brain 345748-500UGCN	500 ug	47270
Ganglioside GQ1b, Tetrasialo, Tetraammon 345754-100UGCN	100 ug	26800
Ganglioside GT1b, Trisialo, Bov. Brain 345744-1MGCN	1 mg	19260
Ganglioside Mixture, Ammoni, Bov. Brain 345717-25MGCN	25 mg	30490
Gbeta,gamma Modulator II, Gallein 371708-5MGCN	5 mg	13260
Geldanamycin, Streptomyces hygroscopicus 345805-100UGCN	100 ug	25210
Genistein, Soybean 345834-20MGCN	20 mg	10960
345834-50MGCN	50 mg	21880
Genistin 345836-5MGCN	5 mg	15380
GGACK 347436-5MGCN	5 mg	23110
GGTI-2147 345885-250UGCN	250 ug	19580
GGTI-286 345878-250UGCN	250 ug	17110
GGTI-298 345883-250UGCN	250 ug	17110
Ghrelin, Human, Synthetic 494126-100UGCN	100 ug	27880
Ghrelin, Rat, Mouse, Synthetic 494127-100UGCN	100 ug	19420

Catalog No.	Pack	Unit Price ₹
Ginkgolic Acid (15:1) 345887-5MGCN	5 mg	32960
Glilotoxin, Gladiocladium fimbriatum 371715-1MGCN	1 mg	13260
Glucagon Receptor Antagonist II 346003-5MGCN	5 mg	17110
Glucagon-LikePeptide1ReceptorAgonist II 346007-10MGCN	10 mg	21730
Glucocorticoid Receptor Modulator, CpdA 346110-25MGCN	25 mg	19420
Glucokinase Activator, Cpd A 346021-5MGCN	5 mg	15870
Glucose Transporter Inhibitor II 400035-10MGCN	10 mg	25480
Glucose Transporter Inhibitor III,STF-31 351801-10MGCN	10 mg	17930
Glucose Transporter Inhibitor IV, WZB117 400036-25MGCN	25 mg	26160
Glutaminase Inhibitor, Compound 968 352010-10MGCN	10 mg	20960
Glutathione Monoethyl Ester 353905-50MGCN	50 mg	13420
Glutathione, Oxidized, Free Acid 3542-1GMCN	1 gm	7120
3542-5GMCN	5 gm	21210
Glutathione, Reduced, Free Acid 3541-1GMCN	1 gm	2340
3541-5GMCN	5 gm	4700
3541-25GMCN	25 gm	13420
3541-100GMCN	100 gm	45270
Glyburide 356310-1GMCN	1 gm	7270
Glycogen Phosphorylase Inhibitor 361515-1MGCN	1 mg	10960
361515-5MGCN	5 mg	49190
Glyco-SNAP-1 362338-5MGCN	5 mg	28310
Glyco-SNAP-2 362339-5MGCN	5 mg	16810
GM 1489 364200-1MGCN	1 mg	8490
GM 6001 364205-1MGCN	1 mg	9730
364205-5MGCN	5 mg	32960
GM 6001, Negative Control 364210-1MGCN	1 mg	8490
364210-5MGCN	5 mg	29270
Go 6976 365250-500UGCN	500 ug	19580
365250-1MGCN	1 mg	24490
Go 6983 365251-500UGCN	500 ug	13420
Go 7874, HCl 365252-500UGCN	500 ug	26650
Golgicide A 345862-10MGCN	10 mg	12040

Catalog No.	Pack	Unit Price ₹
GP Antagonist-2A 371780-1MGCN	1 mg	15870
GPCR-Helix 8 Signaling Inhibitor, JF5 371825-10MGCN	10 mg	22870
GPR109b Agonist 371709-25MGCN	25 mg	16950
GPR119 Agonist, AS1269574 371724-10MGCN	10 mg	17930
GPR120 Agonist III 371822-25MGCN	25 mg	20960
GPR40 Agonist 371706-10MGCN	10 mg	24350
GPR40 Agonist II 371721-10MGCN	10 mg	26160
GPR40 Antagonist, GW1100 371830-10MGCN	10 mg	34380
GPR43 (FFA2) Agonist 371725-10MGCN	10 mg	17110
GPR81 Agonist, 3CI-50H-BA 371758-100MGCN	100 mg	17930
G-Protein betagamma Binding Peptide 371818-1MGCN	1 mg	14490
371818-5MGCN	5 mg	42800
G-Protein bg Binding Peptide, mSIRK(L9A) 371820-1MGCN	1 mg	13260
Gramicidin A, High Purity, B. brevis 368020-25MGCN	25 mg	32960
Granzyme B Inhibitor I 368050-1MGCN	1 mg	9730
Granzyme B Inhibitor II 368055-1MGCN	1 mg	8490
Granzyme B Inhibitor IV 368056-1MGCN	1 mg	12180
Granzyme B Substrate I, Colorimetric 368057-5MGCN	5 mg	17960
Granzyme B Substrate II, Fluorogenic 368059-1MGCN	1 mg	6030
368059-5MGCN	5 mg	25420
Granzyme B Substrate VIII, Colorimetric 368067-5MGCN	5 mg	13420
Group III Caspase Inhibitor I 368620-1MGCN	1 mg	41270
g-Secretase Inhibitor I 565750-1MGCN	1 mg	15870
g-Secretase Inhibitor II **MW167** 565755-1MGCN	1 mg	24490
g-Secretase Inhibitor IV 565761-1MGCN	1 mg	15730
g-Secretase Inhibitor IX 565770-5MGCN	5 mg	13420
565770-10MGCN	10 mg	18340
g-Secretase Inhibitor VI 565763-5MGCN	5 mg	22950
g-Secretase Inhibitor XI 565772-5MGCN	5 mg	14490

Catalog No.	Pack	Unit Price ₹
g-Secretase Inhibitor XII 565773-5MGCN	5 mg	22030
g-Secretase Inhibitor XVI 565777-5MGCN	5 mg	14490
g-Secretase Inhibitor XX 565789-500UGCN	500 ug	31890
g-Secretase Inhibitor XXIV, BMS299897 565793-5MGCN	5 mg	20960
g-Secretase Substrate, Fluorogenic 565764-1MGCN	1 mg	13420
g-SecretaseInhibXXII,Ab42-Selective,CS-1 565791-10MGCN	10 mg	11510
GSK-3 beta Inhibitor XXIV 361567-5MGCN	5 mg	22470
GSK-3 Inhibitor IV, SB-216763 361566-10MGCN	10 mg	17110
GSK-3 Inhibitor IX 361550-1MGCN	1 mg	12180
361550-10MGCN	10 mg	45630
361550-30MGCN	30 mg	100510
GSK-3 Inhibitor IX, Control, MeBIO 361556-1MGCN	1 mg	13420
GSK-3 Inhibitor X 361551-1MGCN	1 mg	13420
GSK-3 Inhibitor XIII 361555-1MGCN	1 mg	9730
361555-5MGCN	5 mg	30350
GSK-3 Inhibitor XV 361558-1MGCN	1 mg	35260
GSK-3 Inhibitor XVI 361559-5MGCN	5 mg	23270
GSK-3 Inhibitor XXII, Compound A 361563-5MGCN	5 mg	15730
GSK-3b Inhibitor I 361540-5MGCN	5 mg	10960
GSK-3b Inhibitor II 361541-5MGCN	5 mg	14490
GSK-3b Inhibitor VII 361548-5MGCN	5 mg	13260
GSK-3b Inhibitor VIII **AR-A014418** 361549-5MGCN	5 mg	12180
GSK-3b Inhibitor XI 361553-1MGCN	1 mg	18340
GSK-3b Inhibitor XII, TWS119 361554-1MGCN	1 mg	13420
361554-5MGCN	5 mg	41580
GSK3b Inhibitor XIX, IM-12 361565-10MGCN	10 mg	12790
GSK-3b Inhibitor XVIII 361562-5MGCN	5 mg	19260
GSK-3b Inhibitor XXV 361568-10MGCN	10 mg	19580
GSK-3b Inhibitor XXVII 361570-10MGCN	10 mg	31090
GSK-3beta Inhibitor VI 361547-5MGCN	5 mg	14490

Catalog No.	Pack	Unit Price ₹
GSK-3beta Inhibitor XXVI 361569-5MGCN	5 mg	21220
GSK-3beta Peptide Inhibitor 361546-1MGCN	1 mg	17110
GTP-14564 371806-5MGCN	5 mg	13260
Guanabenz Acetate 370625-100MGCN	100 mg	20960
Guanosine 3',5'-cyclic Monophosphate Na 370656-50MGCN	50 mg	7270
Guanosine 3,5-cyclic phosphothioate, Phe 370679-1UMOLCN	1 umol	19580
Guanosine 5'-O-(3-Thiotriphosphate) 371545-10MGCN	10 mg	36650
Guanosine, 3,5-cyclic phosphate, Dibutyl 370660-10MGCN	10 mg	11510
GW1929 370695-1MGCN	1 mg	40040
GW7647 370698-5MGCN	5 mg	30190
GW9662 2-CHLORO-5-NITRO-N-PHENYLBENZAMID 370700-5MGCN	5 mg	8490
H-7, DiHCl 371955-1MGCN	1 mg	13260
H-8, DiHCl 371958-1MGCN	1 mg	13260
H-89, DiHCl 371963-1MGCN	1 mg	12180
HA 1077, DiHCl 371970-1MGCN	1 mg	12180
Haspin Kinase Inhibitor, CHR-6494 372040-10MGCN	10 mg	27800
HBDDE 372770-1MGCN	1 mg	21730
HDAC Inhibitor XIX, Compound 2 382177-50MGCN	50 mg	9730
HDAC Inhibitor XXII, NCH51 382185-2MGCN	2 mg	12040
HDAC Inhibitor XXIII, Tubastatin A 382187-5MGCN	5 mg	24430
HDAC Inhibitor XXIV, OSU-HDAC-44 382181-10MGCN	10 mg	18340
HDAC Substrate, Fluor. **MAL** 382155-1MGCN	1 mg	34760
HDL Receptor SR-BI Inhibitor, BLT-1 373210-25MGCN	25 mg	12040
Hdm2 E3 Ligase Inhibitor 373225-5MGCN	5 mg	12040
Hdm2 E3 Ligase Inhibitor II, HLI373 373226-5MGCN	5 mg	14930
Heat Shock Factor 1 Inhibitor, KRIBB11 385570-10MGCN	10 mg	14930
Heat Shock Protein Inhibitor I 373260-5MGCN	5 mg	17110

Catalog No.	Pack	Unit Price ₹
Hec1/Nek2 Mitotic Pathway Inhibitor I 373270-10MGCN	10 mg	52350
Hec1/Nek2 Mitotic Pathway Inhibitor II 373271-10MGCN	10 mg	13260
Hedgehog Antagonist VIII 373402-5MGCN	5 mg	22950
Helenalin, Arnica chamissonis 374000-500UGCN	500 ug	42660
Hepatic Differentiation Inducer, SJA710-6 375110-25MGCN	25 mg	25480
HePTP Inhibitor, ML119 375645-10MGCN	10 mg	21220
Herbimycin A, Streptomyces sp. 375670-100UGCN	100 ug	23110
Herg Activator, NS1643 373501-10MGCN	10 mg	17930
Hesperadin 375680-5MGCN	5 mg	23110
Hexokinase II Inhibitor II, 3-BP 376817-100MGCN	100 mg	6030
Hexokinase II VDAC Binding Domain Peptid 376816-1MGCN	1 mg	28040
Hh Signaling Antagonist VII, JK184 373385-5MGCN	5 mg	10960
Hh Signaling Antagonist X, Itraconazole 419825-250MGCN	250 mg	16810
Hh Signaling Antagonist XI, MRT-14 373277-10MGCN	10 mg	22870
Hh Signaling Antagonist XII, HPI-1 373275-10MGCN	10 mg	21880
Hh Signaling Antagonist XII, MRT-83 373278-5MGCN	5 mg	21220
Hh Signaling Antagonist XIII, HPI-3 373276-10MGCN	10 mg	15730
Hh Signaling Antagonist XIV, SANT-2 373273-10MGCN	10 mg	21730
Hh Signaling Antagonist XV 374274-10MGCN	10 mg	13260
Hh/Gli Antagonist, GANT58 373400-5MGCN	5 mg	21730
Hh/Gli Antagonist, GANT61 373401-5MGCN	5 mg	19580
HIF Inhibitor VI 400086-5MGCN	5 mg	44250
HIF Prolyl Hydroxylase Inhibitor 400084-10MGCN	10 mg	12180
HIF-1 Inhibitor 400083-10MGCN	10 mg	17110
HIF-1a Translation Inhibitor, KC7F 400088-25MGCN	25 mg	18340
HIF-1alpha/2alpha Inhibitor IV, FM19G11 400089-10MGCN	10 mg	12180
HIF-2a Translation Inhibitor 400087-10MGCN	10 mg	12040
HIF-Hydroxylase Inhibitor, DMOG 400091-50MGCN	50 mg	8490

Catalog No.	Pack	Unit Price ₹
HIF-PHD Inhibitor II, JNJ-42041935 400093-10MGCN	10 mg	27520
Hirudin, Hirudo medicinalis, Recom 377853-2000UCN	2000 u	63740
Hispidin 377980-2MGCN	2 mg	33880
Histone Acetyl Transferase Inhibitor VII, CTK7A 382115-10MGCN	10 mg	24510
Histone Acetyltransferase Activator, CPB 382120-25MGCN	25 mg	22950
Histone Acetyltransferase Inhibitor II 382110-10MGCN	10 mg	24430
Histone Deacetylase Inhibitor II 382148-5MGCN	5 mg	26160
Histone Deacetylase Inhibitor III 382149-1MGCN	1 mg	14490
Histone Deacetylase Inhibitor IV 382170-10MGCN	10 mg	27880
Histone Deacetylase Inhibitor VI, HNHA 382172-10MGCN	10 mg	22950
Histone Deacetylase Inhibitor VII, 106 382173-5MGCN	5 mg	41230
Histone Deacetylase Inhibitor VIII 382175-1MGCN	1 mg	18030
Histone Lysine Demethylase Inhibitor VIII, GSK-J4 420205-10MGCN	10 mg	26160
Histone Lysine Methyltransferase Inhibit 382190-5MGCN	5 mg	20500
Histone Methyltransferase EZH2 Inhibitor, DZNep 252790-2MGCN	2 mg	32740
HistoneAcetyltransferase p300 Inhib C646 382113-10MGCN	10 mg	12180
HistoneAcetyltransferaseInhibitorIVCPTH2 382111-10MGCN	10 mg	14650
HMTase Inhibitor II, Chaetocin 382191-500UGCN	500 ug	18340
HMTase Inhibitor IV, UNC0638 382192-2MGCN	2 mg	13420
HMTase Inhibitor V, UNC0224 382193-5MGCN	5 mg	26160
HMTase Inhibitor VI, BRD4770 382194-10MGCN	10 mg	21010
HNMF4 Antagonist, BI6015 375240-25MGCN	25 mg	23980
HNMPA-(AM)3 397100-5MGCN	5 mg	16950
Honokiol 384620-10MGCN	10 mg	16810
Hsp25 Kinase Inhibitor 385880-1MGCN	1 mg	14490
HSP90 Inhibitor, CCT018159 385920-5MGCN	5 mg	16670
Hydrocortisone 3867-1MGCN	1 gm	7270

Catalog No.	Pack	Unit Price ₹
Hydrocortisone, Chromatographic Standard 386698-25MGCN	25 mg	9730
Hydroxyfasudil 390602-2MGCN	2 mg	12180
Hydroxyurea 400046-5MGCN	5 gm	9530
Hypericin 400076-1MGCN	1 mg	15730
Hypoestoxide, Hypoestes rosea 401006-1MGCN	1 mg	21880
Hypothenymycin 401011-500UGCN	500 ug	34190
Iberiotoxin, B. tamulus, Recom 401002-10UGCN	10 ug	20500
I-BET 401010-5MGCN	5 mg	11730
IC261 400090-5MGCN	5 mg	17110
ICMT Inhibitor 420350-10MGCN	10 mg	20960
ICMT Inhibitor II, FTPAT 420351-10MGCN	10 mg	26990
ID-8 405210-10MGCN	10 mg	15730
IGF-1R Inhibitor II *PQ401* 407248-10MGCN	10 mg	17110
IGF-1R Inhibitor, PPP 407247-1MGCN	1 mg	13420
IkB Kinase Inhibitor Peptide, Cell-Perm. 401477-1MGCN	1 mg	28040
IkBK Inactive Control Peptide, Cell-Perm 401478-1MGCN	1 mg	29110
IKK Inhibitor II, Wedelolactone 401474-1MGCN	1 mg	12180
IKK Inhibitor III, BMS-345541 401480-1MGCN	1 mg	24490
IKK Inhibitor VII 401486-1MGCN	1 mg	17110
IKK Inhibitor X *PS-1145* 401489-5MGCN	5 mg	33880
IKK Inhibitor XII 401491-5MGCN	5 mg	24350
IKK Inhibitor XIII, 17-AJB 401493-1MGCN	1 mg	13260
IKK-2 Inhibitor IV 401481-500UGCN	500 ug	12180
IKK-2 Inhibitor V, IMD-0354 401482-5MGCN	5 mg	24350
IKK-2 Inhibitor VI 401483-1MGCN	1 mg	17110
IKK-2 Inhibitor VIII 401487-1MGCN	1 mg	18340
IKK-2 Inhibitor XI 401490-5MGCN	5 mg	45270

Catalog No.	Pack	Unit Price ₹
IKK-2 Inhibitor, SC-514 401479-1MGCN	1 mg	12180
IKK-3 Inhibitor IX 401488-5MGCN	5 mg	24350
IL-1R Antagonist 407616-10MGCN	10 mg	9730
407616-25MGCN	25 mg	18340
IL-2Ralpha Antagonist 407621-5MGCN	5 mg	22950
IL-6/Stat3 Signaling Inhibitor, Cpd 6a 407625-5MGCN	5 mg	32740
Ilmaquinone 401250-100UGCN	100 ug	18190
ILK Inhibitor, Cpd 22 407331-5MGCN	5 mg	19450
IM-412 401251-10MGCN	10 mg	13260
Imiquimod 401020-250MGCN	250 mg	18340
Importazole 401105-10MGCN	10 mg	16290
Indirubin Derivative E804 402081-1MGCN	1 mg	12180
Indirubin-3'-monoxime 402085-1MGCN	1 mg	15870
Indirubin-3'-monoxime, 5-Iodo- 402086-1MGCN	1 mg	15730
Indirubin-3'-monoxime-5-sulphonic acid 402088-1MGCN	1 mg	15730
Indomethacin 405268-10MGCN	10 gm	11510
INDY 405273-5MGCN	5 mg	19580
InhibitorSelect PTK&PTPase Lib I-96Well 539747-1EACN	1 ea	369180
InhibitorSelect TGF-betaR and BMPRII 616466-1EACN	1 ea	196070
InhibitorSelectp53PathwayRegulatorsPanel 506169-1EACN	1 ea	182670
InSolution 1-Azakenpallone 191501-500UGCN	50 ug	10400
InSolution 5-Aza-2'-Deoxycytidine 189826-10MGCN	10 mg	17930
InSolution AG490 658411-5MGCN	5 mg	7270
InSolution Akt Inhibitor V, Triciribine 124038-2MGCN	2 mg	26650
InSolution Akt Inhibitor VIII 124017-1MGCN	1 mg	20800
InSolution AMPK Inhibitor Compound C2HCl 171264-2MGCN	2 mg	19450
InSolution AMPK Inhibitor, Compound C 171261-1MGCN	1 mg	10960
InSolution ATM Kinase Inhibitor 118502-2MGCN	2 mg	12180

Catalog No.	Pack	Unit Price ₹
InSolution Bestatin, Hydrochloride 200488-10MGCN	10 mg	22870
InSolution b-Secretase Inhibitor IV 565794-500UGCN	500 ug	17930
InSolution Casein Kinase II Inhibitor III, TBCA 218861-5MGCN	5 mg	22870
InSolution Caspase Inhibitor I 627609-1MGCN	1 mg	28040
InSolution Caspase-3 Inhibitor I, Cell-P 235427-1MGCN	1 mg	23270
InSolution Chk2 Inhibitor II 220491-5MGCN	5 mg	26990
InSolution CKI Inhibitor, D4476 218705-1MGCN	1 mg	17110
InSolution CKII Inhibitor I TBB 218708-5MGCN	5 mg	7270
InSolution Cyclopamine, V. californicum 239806-5MGCN	5 mg	17930
InSolution Cyclopamine-KAAD 239807-50UGCN	50 ug	17930
InSolution eIF-2alpha Inhibitor, Salubrinal 324897-5MGCN	5 mg	27800
InSolution eIF4E/eIF4G Interaction Inhibitor, 4EGI-1 324519-5MGCN	5 mg	17930
InSolution ERK Inhibitor II, FR180204 328010-500UGCN	500 ug	10960
InSolution Fluvastatin, Sodium Salt 344096-10MGCN	10 mg	14640
InSolution g-Secretase Inhibitor IX 565784-5MGCN	5 mg	14650
InSolution g-Secretase Inhibitor X 565771-250UGCN	250 ug	36810
565771-500UGCN	500 ug	49120
InSolution GSK-3 Inhibitor XVI, CHIR99021 361571-5MGCN	5 mg	28500
InSolution GSK-3beta Inhibitor VIII 361557-5MGCN	5 mg	13260
InSolution HIF-1 Inhibitor 400092-5MGCN	5 mg	13000
InSolution Jasplakinolide, J. johnstoni 420127-50UGCN	50 ug	22030
InSolution JNK Inhibitor II (SP600125) 420128-5MGCN	5 mg	10960
InSolution Latrunculin A, L. magnifica 428026-50UGCN	50 ug	14650
InSolution Lovastatin, Sodium Salt 438187-5MGCN	5 mg	29450
InSolution MEK1/2 Inhibitor III, PD03259 444968-5MGCN	5 mg	22470
InSolution NF-kB Activation Inhibitor 481407-1MGCN	1 mg	12180
InSolution Nutlin-3, Racemic 444151-1MGCN	1 mg	10960
InSolution Okadaic Acid, P. concavum 495609-25UGCN	25 ug	10960

Catalog No.	Pack	Unit Price ₹
InSolution p38 MAPK Inhibitor III 506148-1MGCN	1 mg	17110
InSolution PD 158780 513036-500UGCN	500 ug	15730
InSolution Phorbol-12-myristate -13-acetate 5.00582.0001	2 mg	13000
InSolution PI-103 528101-2MGCN	2 mg	24350
InSolution PKR Inhibitor 527451-5MGCN	5 mg	19580
InSolution PP1 Analog 529605-1MGCN	1 mg	19580
InSolution PP1 Analog II, 1NM-PP1 529606-1MGCN	1 mg	17930
InSolution PTP1B Inhibitor 539749-2MGCN	2 mg	10960
InSolution Purmorphamine 540223-5MGCN	5 mg	19580
InSolution Q-VD-OPH, Non-O-methylated 551476-1MGCN	1 mg	24350
InSolution Rac1 Inhibitor II, Z62954982 553512-10MGCN	10 mg	13420
InSolution Rho Kinase Inhibitor H-1152 555552-500UGCN	500 ug	12180
InSolution RNA Polymerase III Inhibitor 557404-5MGCN	5 mg	27800
InSolution Simvastatin, Sodium Salt 567022-5MGCN	5 mg	26990
InSolution Smoothed Agonist, SAG 566661-500UGCN	500 ug	14650
InSolution Src Inhibitor, PP1 539571-5MGCN	5 mg	13420
InSolution STAT3 Inhibitor III, WP1066 573129-5MGCN	5 mg	9730
InSolution Staurosporine, Streptomyces 569396-100UGCN	100 ug	14650
InSolution TAPI-1 579053-500UGCN	500 ug	19580
InSolution TM Leptomycin B, Streptomyces 431050-5UGCN	5 ug	32960
InSolution Trichostatin A, Streptomyces 647926-500UGCN	500 ug	13420
InSolution U0126 662009-5MGCN	5 mg	24490
InSolution Wortmannin 681676-1MGCN	1 mg	12180
InSolution Y-27632 in DMSO 688002-1MGCN	1 mg	18340
InSolution(TM) AG 1478 658548-1MGCN	1 mg	9730
InSolution(TM) Akt Inhibitor IV 124015-1MGCN	1 mg	13420
InSolution(TM) ALLN 208750-5MGCN	5 mg	10960

Catalog No.	Pack	Unit Price ₹
InSolution(TM) BAY 11-7082 196871-10MGCN	10 mg	10960
InSolution(TM) Bisindolylmaleimide I 203293-1MLCN	1 ml	15870
InSolution(TM) Blebbistatin, Racemic 203389-5MGCN	5 mg	20800
InSolution(TM) Caspase Inhibitor VI 219011-1MGCN	1 mg	28040
InSolution(TM) Caspase-3 Inhibitor II 264156-250UGCN	250 ug	12180
InSolution(TM) Caspase-8 Inhibitor II 218840-250UGCN	250 ug	13420
InSolution(TM) Caspase-9 Inhibitor I 218841-250UGCN	250 ug	17110
InSolution(TM) Epoxomicin, Synthetic 324801-50UGCN	50 ug	15870
InSolution(TM) GM6001 364206-1MGCN	1 mg	12180
InSolution(TM) Go 6976 365253-1MLCN	1 ml	19580
InSolution(TM) GSK-3 Inhibitor IX BIO 361552-500UGCN	500 ug	10960
InSolution(TM) H-89, Dihydrochl 371962-1MGCN	1 mg	12180
InSolution(TM) IKK-2 Inhibitor IV 401484-500UGCN	500 ug	12180
InSolution(TM) IKK-2 Inhibitor, SC-514 401485-1MGCN	1 mg	12180
InSolution(TM) JAK Inhibitor I 420097-500UGCN	500 ug	12180
InSolution(TM) K-252a, Nocardiosis sp. 420297-100UGCN	100 ug	19580
InSolution(TM) KN-93 422712-1MGCN	1 mg	15870
InSolution(TM) KT5720 420323-50UGCN	50 ug	12180
InSolution(TM) LY 294002 440204-1MGCN	1 mg	8490
InSolution(TM) MG-132 474791-1MGCN	1 mg	7270
474791-5MGCN	5 mg	24490
InSolution(TM) Microcystin-LR 475821-250UGCN	250 UG	22870
InSolution(TM) Olomoucine 495624-5MGCN	5 mg	21730
InSolution(TM) OM99-2 496000-250UGCN	250 ug	57120
InSolution(TM) PD 153035 (AG1517) 234491-500UGCN	500 ug	13260
InSolution(TM) PD 98059 513001-1MLCN	1 ml	13420
InSolution(TM) PP2 529576-1MGCN	1 mg	15870
InSolution(TM) Proteasome Inhibitor I 539161-5MGCN	5 mg	30490

Catalog No.	Pack	Unit Price ₹
InSolution(TM) Rac1 Inhibitor 553508-5MGCN	5 mg	34190
InSolution(TM) Raf1 Kinase Inhibitor 553003-500UGCN	500 ug	9730
InSolution(TM) Ratjadone A, Synthetic 553590-2UGCN	2 ug	30350
InSolution(TM) Ro-31-8220 557521-500UGCN	500 ug	12180
InSolution(TM) Roscovitine 557364-5MGCN	5 mg	20800
InSolution(TM) SB 202190 559397-1MLCN	1 ml	15870
InSolution(TM) SB 203580 559398-1MLCN	1 ml	17110
InSolution(TM) Sirtinol 566321-1MGCN	1 mg	9730
InSolution(TM) SU6656 572636-500UGCN	500 ug	12180
InSolution(TM) Y-27632 688001-500UGCN	500 ug	11730
InSolutioncFMSReceptorTyrosineKinaseInhi 344041-1MGCN	1 mg	13260
InSolution™ Akt Inhibitor X 124039-2MGCN	2 mg	21220
InSolution™ Cdk1 Inhibitor IV, RO-3306 217721-2MGCN	2 mg	22870
InSolution™ CFTR Inhibitor II, GlyH-101 219675-5MGCN	5 mg	24510
InSolution™ CFTR Inhibitor-172 219674-5MGCN	5 mg	21220
InSolution™ CXCR4 Antagonist I, AMD3100 239825-15MGCN	15 mg	24510
InSolution™ Hh/Gli Antagonist, GANT61 373403-2MGCN	2 mg	11910
InSolution™ Interleukin-1 Receptor-Associated-Kinase-1/4 I 407602-5MGCN	5 mg	17930
InSolution™ MG-132 in EtOH, ≥95% by HPLC 474788-10MGCN	10 mg	18700
InSolution™ Nocodazole 487929-10MGCN	10 mg	10400
InSolution™ PARP Inhibitor VIII, PJ34 528151-2MGCN	2 mg	17930
InSolution™ Q-VD-OPH, Non-O-methylated 551476-5MGCN	5 mg	80820
InSolution™ Rapamycin 553211-500UGCN	500 ug	15870
553211-1MGCN	1 mg	19580
InSolution™ Rapamycin in EtOH 553212-1MGCN	1 mg	26800
InSolution™ RSK Inhibitor, SL0101 559292-500UGCN	50 ug	22870
InSolution™ STAT3 Inhibitor VI, S3I-201 573130-5MGCN	5 mg	13420

Catalog No.	Pack	Unit Price ₹
InSolution™ Tetrahydrouridine 584223-25MGCN	25 mg	30010
InSolution™ TGF- β RI Kinase Inhibitor VI, SB431542 616464-5MGCN	5 mg	14930
InSolution™ γ -Secretase Inhibitor IX 565784-10MGCN	10 mg	20800
Insulin Degrading Enzyme His, Rat, Recom 407241-50UGCN	50 ug	28190
Insulin Expression Inducer, BRD7389 203709-10MGCN	10 mg	17110
Integrin α M β 2 Ligand 407271-5MGCN	5 mg	13260
Integrin α v β 3 Antagonist, P11 407272-5MGCN	5 mg	19580
Interferon- α -IFN α -R Interaction Inhibitor 407325-25MGCN	25 mg	22470
Iodoacetic Acid, Sodium Salt 407719-25GMCN	25 gm	21730
Ionomycin, Calcium, <i>S. conglobatus</i> 407952-1MGCN	1 mg	12180
407952-5MGCN	5 mg	44040
407952-10MGCN	10 mg	75590
407952-25MGCN	25 mg	164830
Ionomycin, Calcium Salt, <i>Streptomyces conglobatus</i> in Solution 407953-2MGCN	2 mg	29450
Ionomycin, Free Acid, <i>S. conglobatus</i> 407950-1MGCN	1 mg	12180
407950-5MGCN	5 mg	46510
407950-10MGCN	10 mg	82050
IP6K Inhibitor 406170-5MGCN	5 mg	17110
iPSC Induction Enhancer, Thiazovivin 420220-10MGCN	10 mg	20960
IQ-1 412400-10MGCN	10 mg	24350
IRAK-1/4 Inhibitor 407601-5MGCN	5 mg	12180
IRE1 Inhibitor I, STF-083010 412510-10MGCN	10 mg	16290
IRE1 Inhibitor II 412511-25MGCN	25 mg	26990
IRE1 Inhibitor III, 4u8C 412512-25MGCN	25 mg	21220
IRTK Activator III, DDN 420326-25MGCN	25 mg	21220
Ischemin 410960-25MGCN	25 mg	17930
Isogranulatimide 371957-1MGCN	1 mg	48500
Isohelenin, <i>Inula</i> sp. 416157-1MGCN	1 mg	27880
Isoproterenol, HCl 420355-100MGCN	100 mg	3570

Catalog No.	Pack	Unit Price ₹
ITK Inhibitor, BMS-509744 419820-5MGCN	5 mg	27800
JAK Inhibitor I 420099-500UGCN	500 ug	13150
420099-1MGCN	1 mg	18340
JAK2 Inhibitor II 420132-25MGCN	25 mg	13420
JAK2 Inhibitor III, SD-1029 573098-10MGCN	10 mg	17110
JAK2 Inhibitor IV 420139-5MGCN	5 mg	31570
JAK2 Inhibitor IX, WP1193 420151-10MGCN	10 mg	22470
JAK2 Inhibitor V, Z3 420141-10MGCN	10 mg	12040
JAK3 Inhibitor I 420101-5MGCN	5 mg	17110
JAK3 Inhibitor II 420104-5MGCN	5 mg	23110
JAK3 Inhibitor IV 420121-10MGCN	10 mg	28040
JAK3 Inhibitor V 420122-10MGCN	10 mg	24350
JAK3 Inhibitor VI 420126-5MGCN	5 mg	15870
JAK3 Inhibitor VII, AD412 420145-25MGCN	25 mg	13260
JAK3 Inhibitor VIII, NSC114792 420146-10MGCN	10 mg	22870
JAK3 Inhibitor, Negative Control 420112-1MGCN	1 mg	20500
JAK3/GSK-3 β /PKC α Inhibitor 420148-5MGCN	5 mg	32740
Jasplakinolide, Jaspis johnstoni 420107-50UGCN	50 ug	23110
Jervine 420210-1MGCN	1 mg	14490
JMJD Histone Demethylase Inhibitor III 420202-5MGCN	5 mg	32740
JMJD Histone Demethylase Inhibitor IV, M 420203-10MGCN	10 mg	37670
JMJD2 Inhibitor, 5-carboxy-8HQ 420201-5MGCN	5 mg	17110
JNK Inhibitor I, (L)-Form, Cell-Perm. 420116-1MGCN	1 mg	35420
JNK Inhibitor I, (L)-Form, Neg Control 420118-1MGCN	1 mg	15730
JNK Inhibitor II (SP600125) 420119-5MGCN	5 mg	8320
420119-25MGCN	25 mg	24490
420119-50MGCN	50 mg	37890
JNK Inhibitor II, Negative Control 420123-1MGCN	1 mg	8490
JNK Inhibitor III, Cell-Perm., Neg Cont 420131-1MGCN	1 mg	26650

Catalog No.	Pack	Unit Price ₹
JNK Inhibitor III, Cell-Permeable 420130-1MGCN	1 mg	25570
JNK Inhibitor IX 420136-5MGCN	5 mg	19580
JNK Inhibitor V *AS601245* 420129-5MGCN	5 mg	19580
JNK Inhibitor VI, TI-JIP 153-163 420133-2MGCN	2 mg	19260
JNK INHIBITOR VII 420134-2MGCN	2 mg	28040
JNK Inhibitor VIII 420135-5MGCN	5 mg	22030
JNK Inhibitor X, BI-78D3 420140-5MGCN	5 mg	10800
JNK Inhibitor XI, BI-87G3 420142-10MGCN	10 mg	13260
JNK Inhibitor XIII 420144-10MGCN	10 mg	12040
JNK Inhibitor XIII, SR-3306 420147-10MGCN	10 mg	26500
JNK Inhibitor XV, IQ-1S 420149-25MGCN	25 mg	20960
JNK Inhibitor XVI, JNK-IN-8 420150-10MGCN	10 mg	28500
JNK Substrate, c-Jun 1-79 420108-100UGCN	100 ug	35260
JNK-3 Inhibitor XII, SR-3576 420143-5MGCN	5 mg	12180
Juglone 420120-250MGCN	250 mg	7270
K-252a, Nocardiosis sp. 420298-100UGCN	100 ug	19580
K-252c 420305-1MGCN	1 mg	22950
Kaempferol 420345-25MGCN	25 mg	10960
Kainic Acid 420318-10MGCN	10 mg	26650
Kallikrein Substrate, Fluorogenic 420314-5MGCN	5 mg	18340
KB-R7943 420336-5MGCN	5 mg	14650
Kenpaullone 422000-1MGCN	1 mg	12180
Ketohexokinase Inhibitor 420640-10MGCN	10 mg	27800
Kifunensine, KITASATOSPORIA KIFUNENSE 422500-1MGCN	1 mg	30490
Kir1.1 Inhibitor, VU591 422682-5MGCN	5 mg	8900
Kir2.1 Inhibitor, ML133 422689-5MGCN	5 mg	16290
KLF5 Inhibitor, CID 5951923 422625-10MGCN	10 mg	17930

Catalog No.	Pack	Unit Price ₹
KMO Inhibitor I, Ro 61-8048 420360-10MGCN	10 mg	17930
KMO Inhibitor II, JM6 420361-10MGCN	10 mg	21220
KN-62 422706-1MGCN	1 mg	14650
KN-92 422709-1MGCN	1 mg	14650
KN-93 422708-1MGCN 422708-5MGCN	1 mg 5 mg	14650 48960
KN-93, Water-Soluble 422711-1MGCN	1 mg	14650
KT5720 420320-50UGCN 420320-100UGCN	50 ug 100 ug	10960 18340
KT5823 420321-50UGCN 420321-100UGCN	50 ug 100 ug	12180 20800
L(-)-Epinephrine-(+)-bitartrate 324900-100MGCN	100 mg	7270
L(-)-Norepinephrine-(+)-bitartrate 489350-100MGCN	100 mg	4800
L-165,041 422175-5MGCN	5 mg	18030
L-3,3',5-Triiodothyronine, Free Acid 642511-10MGCN	10 mg	13260
L-3,3',5-Triiodothyronine, Sodium Salt 64245-250MGCN	250 mg	8490
L-744,832 422720-5MGCN	5 mg	22950
Lactacystin, Synthetic 426100-200UGCN 426100-400UGCN 426100-1MGCN	200 ug 400 ug 1 mg	34190 44040 90660
Lactosyl Ceramide, Bovine 427572-1MGCN	1 mg	22950
L-a-Lecithin, Egg Yolk, Highly Purified 524617-250MGCN	250 mg	7270
L-a-Lecithin, Soybean 429415-100MGCN	100 gm	26800
L-a-Lysolecithin, Egg Yolk 440154-100MGCN	100 mg	10960
L-a-Phosphatidyl-D-myo-ino-4,5-bisphosph 524644-100UGCN 524644-1MGCN	100 ug 1 mg	8490 46190
Latrunculin A, Latrunculia magnifica 428021-100UGCN	100 ug	23270
Latrunculin B, Latrunculia magnifica 428020-1MGCN 428020-5MGCN	1 mg 5 mg	19260 48810
Lavendustin A 428150-1MGCN	1 mg	17110
Lck Inhibitor 428205-1MGCN	1 mg	24490

Catalog No.	Pack	Unit Price ₹
Lck Inhibitor II 428206-5MGCN	5 mg	28040
Lck Inhibitor III 428207-5MGCN	5 mg	53570
LDN-211904 428201-5MGCN	5 mg	23980
Leukadherin-1 434610-25MGCN	25 mg	29450
Leukotriene B4 434625-50UGCN	50 ug	41580
Leukotriene C4 434692-50UGCN	50 ug	49880
Leupeptin, Hemisulfate 108975-5MGCN 108975-10MGCN 108975-25MGCN 108975-50MGCN 108975-100MGCN	5 mg 10 mg 25 mg 50 mg 100 mg	7270 10960 19580 35420 57580
Leupeptin, Hemisulfate, Synthetic 108976-10MGCN 108976-25MGCN	10 mg 25 mg	10960 19580
LFM-A13 435300-5MGCN	5 mg	13420
Licochalcone-A, Synthetic 435800-10MGCN 435800-50MGCN	10 mg 50 mg	9730 34190
LIM Kinase Inhibitor I, LIMKi 3 435930-10MGCN	10 mg	26990
Linoleic Acid 436305-5GMCN	5 gm	6030
Lipid A, Salmonella minnesota Re 595 437632-1MGCN	1 mg	35120
Lipopolysaccharide, E. coli J5 437620-5MGCN	5 mg	24350
Lipopolysaccharide, E. coli O111: B4 437627-5MGCN	5 mg	21880
Lipopolysaccharide, E. coli O55: B5 437625-5MGCN	5 mg	22030
Lipopolysaccharide, S. minnesota R595.. 437628-1MGCN	1 mg	35420
Lipopolysaccharide, S. minnesota Re 595 437629-5MGCN	5 mg	24350
Lipopolysaccharide, S. typhimurium 437650-5MGCN	5 mg	23110
Lipoxin A4 437720-25UGCN	25 ug	34190
Lipoxin A4, 15-epi 437725-25UGCN	25 ug	37890
L-N5-(1-Iminoethyl)-ornithine, DiHCl 400600-20MGCN	20 mg	13420
L-NIL, DiHCl 482100-10MGCN	10 mg	17110
Longdaysin 438075-10MGCN	10 mg	21220
Lovastatin 438185-25MGCN	25 mg	14650

Catalog No.	Pack	Unit Price ₹
Lovastatin, Sodium Salt 438186-5MGCN	5 mg	20800
LRRK2 Inhibitor II, CZC-25146 438194-10MGCN	10 mg	29450
LRRK2 Inhibitor III, HG-10-102-01 438195-10MGCN	10 mg	24510
LRRK2-IN-1 438193-5MGCN	5 mg	14650
LSD1 Inhibitor 489476-10MGCN	10 mg	18340
LSD1 Inhibitor II, S2101 489477-5MGCN	5 mg	14650
LSD1 Inhibitor III, CBB1007 489478-10MGCN	10 mg	36030
LSD1 Inhibitor IV, RN-1, HCl 489479-10MGCN	10 mg	32740
LSF Inhibitor, FQI1 438210-10MGCN	10 mg	17930
Luciferase Inhibitor I 119113-5MGCN	5 mg	10960
Luciferase Inhibitor II 119114-5MGCN	5 mg	12040
Luteolin 440025-5MGCN	5 mg	8490
LXRalpha/beta Agonist *GSK3987* 440165-10MGCN	10 mg	22950
LY 294002 440202-5MGCN 440202-10MGCN 440202-25MGCN	5 mg 10 mg 25 mg	17110 24490 37890
LY 294002, 4'-NH2 440206-5MGCN	5 mg	20500
LY 303511 440203-1MGCN	1 mg	14650
LY 83583 440205-5MGCN 440205-25MGCN	5 mg 25 mg	9730 41270
LYP Inhibitor II, LTV-1 540218-10MGCN	10 mg	16290
L-α-lysophosphatidylinositol Sodium Salt 440153-1MGCN	1 mg	17930
MAGL Inhibitor III, JZL184 475741-10MGCN	10 mg	12180
Manumycin A, Streptomyces parvulus 444170-1MGCN	1 mg	12040
MAP Kinase Inhibitor Set I 444180-1SETCN	1 set	42800
MAP Kinase Inhibitor Set II 444190-1SETCN	1 set	36650
Marimastat 444289-5MGCN	5 mg	23270
MARK/Par-1 Activity Inhibitor, 39621 454870-10MGCN	10 mg	27800
MAS 7 H-LLE-ASN-LEU-LYS-ALA-LEU-ALA-ALA 444896-1MGCN	1 mg	19260

Catalog No.	Pack	Unit Price ₹
MBT Domain Antagonist, UNC669 442640-25MGCN	25 mg	13260
MCI-186 443300-500MGCN	500 mg	7270
MDL-12,330A, HCl 444200-1MGCN	1 mg	6030
MDM2 Antagonist II, NSC 66811 444144-10MGCN	10 mg	20500
MDM2 Antagonist IV, Nutlin-3a 444152-5MGCN	5 mg	28400
MDM2 Antagonist, Nutlin-3, Racemic 444143-1MGCN	1 mg	12180
MDM2 Inhibitor 444145-10MGCN	10 mg	14490
MDM2 Inhibitor VII, MEL23 373227-10MGCN	10 mg	26160
MDMX Antagonist, SJ-172550 444155-10MGCN	10 mg	18030
MDMX Inhibitor, NSC207895 444158-10MGCN	10 mg	22470
MEK Inhibitor I 444937-1MGCN	1 mg	13420
444937-5MGCN	5 mg	47730
MEK Inhibitor II 444938-5MGCN	5 mg	10960
MEK Inhibitor Set 453710-1SETCN	1 set	27880
MEK Inhibitor VII 444939-1MGCN	1 mg	13260
444939-5MGCN	5 mg	43730
MEK Inhibitor VIII 444965-5MGCN	5 mg	25420
MEK1/2 Inhibitor III 444966-5MGCN	5 mg	18340
MEK1/2 Inhibitor IV 444967-5MGCN	5 mg	18190
Melatonin 444300-1GMCN	1 gm	7270
Meloxicam 444800-100MGCN	100 mg	15730
Membrane Traffic Inhibitor, A5 444805-10MGCN	10 mg	19260
Mer RTK Inhibitor, UNC569 445835-10MGCN	10 mg	34380
Merbarone 445800-25MGCN	25 mg	12040
Meriolin 2 445820-5MGCN	5 mg	24350
Meriolin 3 445821-5MGCN	5 mg	24350
Met Kinase Inhibitor *SU11274* 448101-1MGCN	1 mg	12180
Met Kinase Inhibitor VI 448106-5MGCN	5 mg	15730
Met/Flt-3/VEGFR2 Tyrosine Kinase Inhibit 448103-5MGCN	5 mg	24190

Catalog No.	Pack	Unit Price ₹
Met30 Antagonist, SMER3 475858-25MGCN	25 mg	20500
MetAP2 Inhibitor, A832234 654271-2MGCN	2 mg	31090
Metastin (45-54) 445888-1MGCN	1 mg	12910
Methotrexate 454126-100MGCN	100 mg	10960
Methoxysuc-Ala-Ala-Pro-Val-p-nitroanilid 454454-50MGCN	50 mg	12180
Methyl Arachidonyl Fluorophosphonate 454565-1MGCN	1 mg	10960
Methyl-a-D-mannopyranoside 462711-100GMCN	100 gm	12180
Methylene Blue 457250-1GMCN	1 gm	3570
Methylumbelliferyl-a-D-galactopyranoside 474422-50MGCN	50 mg	17110
Methylumbelliferyl-N-Ac-a-D-glucosaminid 474500-5MGCN	5 mg	14490
Methylumbelliferyl-N-Ac-b-D-glucosaminid 474502-250MGCN	250 mg	12180
Methylumbelliferyl-sulfo-N-Ac-b-D-glucos 454428-25MGCN	25 mg	14650
Mevastatin 474700-50MGCN	50 mg	12180
Mevastatin, Sodium Salt 474705-5MGCN	5 mg	14490
MG-115 474780-5MGCN	5 mg	20800
MG-132 474790-1MGCN	1 mg	4700
474790-5MGCN	5 mg	13150
474790-10MGCN	10 mg	17980
474790-20MGCN	20 mg	30650
MG-132, ≥95% by HPLC 474787-10MGCN	10 mg	8900
mGluR5 Antagonist, MTEP 445874-5MGCN	5 mg	13420
mGluR5 Ligand, CDPPB 445865-1MGCN	1 mg	10960
Microcystin-LF 475814-25UGCN	25 UG	32740
Microcystin-LR 475815-500UGCN	500 UG	36030
Microcystin-LW 475818-25UGCN	25 UG	34380
Microcystin-RR 475816-250UGCN	250 UG	42610
MIF Antagonist III, 4-IPP 475846-10MGCN	10 mg	12790
MIF Antagonist IV, RDR 03785 475847-10MGCN	10 mg	21220
MIF Antagonist V, p425 475848-2GMCN	2 gm	10400

Catalog No.	Pack	Unit Price ₹
MIF Antagonist, ISO-1 475837-5MGCN	5 mg	12180
Mifepristone 475838-50MGCN	50 mg	8490
Milrinone 475840-10MGCN	10 mg	26650
Miltefosina 475841-50MGCN	50 mg	9530
Minocycline, HCl 475843-50MGCN	50 mg	7270
m-Iodobenzylguanidine, Hemisulfate 407721-10MGCN	10 mg	14490
Mirk/Dyrk1B Inhibitor, Compo 475857-10MGCN	10 mg	29450
Mitaplatin 475851-25MGCN	25 mg	18030
Mitochondrial CTP Inhibitor 475877-5MGCN	5 mg	13260
Mitochondrial Division Inhibitor, mdivi-1 475856-10MGCN	10 mg	10960
Mitochondrial Fusion Promoter, M1 475859-25MGCN	25 mg	19580
mitoNEET Inhibitor NL-1, Thiazolidinedione 475825-10MGCN	10 mg	17930
MK-2 Inhibitor III 475864-5MGCN	5 mg	23270
MK-2 Inhibitor IV, MK-25 475964-10MGCN	10 mg	29450
MK2a Inhibitor 475863-5MGCN	5 mg	24350
MK571, Sodium Salt 475874-5MGCN	5 mg	12180
MK-886 LIPID SIGNALIN INHIBITORS 475889-5MGCN	5 mg	13420
MKLP-2 Inhibitor, Paprotrain 512533-25MGCN	25 mg	15730
ML-7, HCl 475880-1MGCN	1 mg	14650
ML-9, HCl 475882-1MGCN	1 mg	14650
MLCK Inhibitor Peptide 18 475981-5MGCN	5 mg	22030
MLKL Inhibitor, Necrosulfonamide 480073-25MGCN	25 mg	26160
MMP Inhibitor I 444250-10MGCN	10 mg	19580
MMP Inhibitor II 444247-1MGCN	1 mg	15870
MMP Inhibitor III 444264-1MGCN	1 mg	15870
MMP Inhibitor Set I 444255-1SETCN	1 set	48960
MMP Inhibitor V 444290-2MGCN	2 mg	16810
MMP Substrate III, Fluorogenic 444256-500UGCN	500 ug	30350

Catalog No.	Pack	Unit Price ₹
MMP/TACE Substrate, FS-6 444282-1MGCN	1 mg	22950
MMP-1 Substrate III, Fluorogenic 444219-1MGCN	1 mg	38810
MMP-1/MMP-9 Substrate, Fluorogenic 444221-1MGCN	1 mg	32960
MMP-12 Inhibitor, MMP408 444291-5MGCN	5 mg	18340
MMP-13 Inhibitor 444283-1MGCN	1 mg	13420
MMP-13 Substrate, Fluorogenic 444235-1MGCN	1 mg	26800
MMP-14 Substrate I, Fluorogenic 444258-1MGCN	1 mg	22950
MMP-2 Inhibitor I 444244-10MGCN	10 mg	9730
MMP-2 Inhibitor II 444286-5MGCN	5 mg	24190
MMP-2 Inhibitor III 444288-5MGCN	5 mg	26800
MMP-2 Inhibitor IV 444294-10MGCN	10 mg	29450
MMP-2 Substrate, Fluorogenic 444212-1MGCN	1 mg	27880
MMP-2/MMP-3 Inhibitor III, PD166793 444284-5MGCN	5 mg	19260
MMP-2/MMP-7 Substrate, Fluorogenic 03-32-5032-1MGCN	1 mg	18340
MMP-2/MMP-9 Inhibitor I 444241-5MGCN	5 mg	20800
MMP-2/MMP-9 Inhibitor II 444249-1MGCN	1 mg	15870
MMP-2/MMP-9 Inhibitor III 444251-1MGCN	1 mg	19580
MMP-2/MMP-9 Inhibitor IV 444274-500UGCN	500 ug	17110
MMP-2/MMP-9 Inhibitor V 444285-500UGCN	500 ug	18340
MMP-2/MMP-9 Substrate I, Fluorogenic 444215-5MGCN	5 mg	21880
MMP-2/MMP-9 Substrate II 444224-5MGCN	5 mg	32810
MMP-3 Inhibitor I 444218-5MGCN	5 mg	29270
MMP-3 Inhibitor II 444225-5MGCN	5 mg	13260
MMP-7 Substrate, Fluorogenic 444228-1MGCN	1 mg	14490
MMP-8 Inhibitor I 444237-1MGCN	1 mg	10960
MMP-9 Inhibitor I 444278-500UGCN	500 ug	14650
MMP-9 Inhibitor II 444293-10MGCN	10 mg	22870

Catalog No.	Pack	Unit Price ₹
MMP-9/MMP-13 Inhibitor I 444252-1MGCN	1 mg	13260
Mn-cpx 3 475867-25MGCN	25 mg	26650
MNK1 Inhibitor CGP57380 454861-5MGCN	5 mg	24490
MNK1/2 Inhibitor II, ETP-45835 454862-10MGCN	10 mg	27800
MnTBAP 475870-25MGCN	25 mg	8320
MnTMPyP TETRATOSYLATE HYDROXIDE 475872-25MGCN	25 mg	7800
Monastrol 475879-1MGCN	1 mg	9730
475879-5MGCN	5 mg	30490
Monensin Methyl Ester 475897-100MGCN	100 mg	13420
Monensin, Sodium Salt, High Purity 475895-250MGCN	250 mg	14650
MPS1 Inhibitor, NMS-P715 475949-5MGCN	5 mg	23980
MrB Perturbing Compound A22 475951-25MGCN	25 mg	13420
MRN-ATM Pathway Inhibitor, Mirin 475954-10MGCN	10 mg	12790
MRP1 Inhibitor II, Reversan 475730-10MGCN	10 mg	22950
MT1-MMP Inhibitor, NSC405020 444295-25MGCN	25 mg	26160
mTOR Inhibitor III, PP242 475988-5MGCN	5 mg	15870
mTOR Inhibitor IV, Ku-63794 475990-5MGCN	5 mg	23110
mTOR Kinase Inhibitor II, WYE-354 475986-5MGCN	5 mg	24190
mutant p53 Reactivator, RETRA 506164-5MGCN	5 mg	20500
Mycophenolic Acid 475913-100MGCN	100 mg	10800
475913-500MGCN	500 mg	37890
Myeloperoxidase Inhibitor I 475944-1GMCN	1 gm	7270
myo-Inositol 4071-100GMCN	100 gm	9570
Myoseverin 475980-1MGCN	1 mg	7270
MyoVin-1 475984-5MGCN	5 mg	28500
Myricetin 476275-25MGCN	25 mg	9730
Myriocin, Mycella sterilia 476300-5MGCN	5 mg	15870
N(6),O(2')-Dibutylryl-cAMP, Sodium Salt 28745-25MGCN	25 mg	10960
28745-100MGCN	100 mg	35580

Catalog No.	Pack	Unit Price ₹
N(6)-Benzoyl-cAMP, Sodium Salt 116802-10UMOLCN	10 umol	17110
N(a)-Benzoyl-L-arginine Ethyl Ester, HCl 200016-5GMCN	5 gm	4800
N(a)-Benzyloxycarbonyl-L-lysine Thiobenz 200274-100MGCN	100 mg	19260
200274-25MGCN	25 mg	6030
N(a)-Tosyl-Lys Chloromethyl Ketone, HCl 616382-250MGCN	250 mg	28040
616382-50MGCN	50 mg	9570
N(a)-Tosyl-Phe Chloromethyl Ketone 616387-250MGCN	250 mg	7270
N(G),N(G')-Dimethyl-L-arginine, DiHCl 311204-25MGCN	25 mg	8490
N(G),N(G)-Dimethyl-L-arginine, DiHCl 311203-25MGCN	25 mg	14650
N(G)-Monomethyl-L-arginine, Monoacetate 475886-25MGCN	25 mg	9730
475886-50MGCN	50 mg	17110
475886-100MGCN	100 mg	31730
N(G)-Nitro-L-arginine Methyl Ester, HCl 483125-100MGCN	100 mg	4800
N-(n-Butyl)deoxygalactonojirimycin 203994-5MGCN	5 mg	25570
Na+/H+ Exchanger Isoform-1 Inhibitor 567500-5MGCN	5 mg	16950
NAAG 481920-50MGCN	50 mg	22870
NBD-Binding Peptide II, Cell Permeable, CTP-NBD 480026-5MGCN	5 mg	39320
NBI-31772 479830-5MGCN	5 mg	15730
N-Butyldeoxynojirimycin, Hydrochloride 203996-10MGCN	10 mg	29270
NDGA 479975-250MGCN	250 mg	7270
Necrosis Inhibitor, IM-54 480060-5MGCN	5 mg	20650
Necrostatin-1 480065-5MGCN	5 mg	12180
Necrostatin-1, Inactive Control 480066-5MGCN	5 mg	12180
Nemadipine-A 480022-25MGCN	25 mg	21730
NEMO NOA Peptide, Cell-Permeable, A-UBI 481418-2MGCN	2 mg	26160
NEMO-Binding Domain Binding Peptide, Neg 480030-500UGCN	500 ug	24350
NEMO-Binding Domain Peptide, Cell-Perm. 480025-500UGCN	500 ug	23270
N-Ethylmaleimide 34115-5GMCN	5 gm	6030
Neurodazine 480703-10MGCN	10 mg	25570

Catalog No.	Pack	Unit Price ₹
Neurogenesis Enhancer, P7C3A20 480744-5MGCN	5 mg	13260
Neurogenesis Inducer V, KHS101 480747-10MGCN	10 mg	19580
Neuronal Diff Inducer, Isobavachin 480748-5MGCN	5 mg	32740
Neuronal Differentiation Inducer III 480743-10MGCN	10 mg	19580
Neuronal Differentiation Inducer IV 480746-5MGCN	5 mg	25480
Neuroprotectant, OBA-09 494105-25MGCN	25 mg	20960
Neurotensin 05-23-1200-5MGCN	5 mg	19260
Neurotrope J147 480850-10MGCN	10 mg	27800
Neurotrophin Antagonist, Y1036 480870-10MGCN	10 mg	16810
NF 279 480418-5MGCN	5 mg	20650
NF023 480415-10MGCN	10 mg	25570
NF449 480420-10MGCN	10 mg	24350
NFAT Activation Inhibitor III, *INCA-6* 480403-5MGCN	5 mg	14490
NFAT Inhibitor 480402-500UGCN	500 ug	13420
NFAT Inhibitor, Cell-Permeable 480401-1MGCN	1 mg	36650
NFAT Inhibitor, MCV1 480404-2MGCN	2 mg	36030
NFF-2 480450-1MGCN	1 mg	26800
NF-kappa B Activation Inhibitor III 481411-5MGCN	5 mg	15870
NF-kappaB Activation Inhibitor 481406-1MGCN	1 mg	12180
NF-kappaB Inhibitor Methysticin 480458-5MGCN	5 mg	40960
NF-kB Activation Inhibitor II, JSH-23 481408-5MGCN	5 mg	17110
NF-kB Activation Inhibitor IV 481412-10MGCN	10 mg	17110
NF-kB Activation Inhibitor VI, BOT-64 481414-5MGCN	5 mg	33880
NF-kB SN50, CELL-PERM. INHIBITOR PEPTIDE 481480-500UGCN	500 ug	20380
NF-kB SN50M, Inactive Control Peptide 481486-500UGCN	500 ug	20800
NF-kBActivationInhibitorVII, CID-2858522 480457-10MGCN	10 mg	15730
NF-κB SN50, Cell-Permeable Inhibitor Peptide 481480-1MGCN	1 mg	30490

Catalog No.	Pack	Unit Price ₹
N-Glycan Acceptor Substrate, Dabsylated 436390-50NMOLCN	50 nmol	42960
Niclosamide 481909-1GMCN	1 gm	6030
Nicotinamide Phosphoribosyltransferase I 481908-2MGCN	2 mg	12040
Nifedipine 481981-250MGCN	250 mg	7270
Nifuroxazide 481984-500MGCN	500 mg	9730
Nigericin 481990-5MGCN	5 mg	7270
481990-10MGCN	10 mg	10960
Nimesulide Analog, Compound 76 482210-5MGCN	5 mg	19420
Nimodipine 482200-25MGCN	25 mg	6030
NIPP-1, HisTag, Bov. Thymus, Recom 482251-1UGCN	1 ug	36340
Nitrocefin 484400-5MGCN	5 mg	12330
NMDA Receptor NR2BCT(1292-1304)-TAT 454585-2MGCN	2 mg	26990
NMDAR2C/2D Inhibitor, DQP-1105 454586-10MGCN	10 mg	17930
N-Methyl-D-aspartic Acid 454575-100MGCN	100 mg	25420
nNOS - PSD-95 InteractionInhibitor,ZL006 482740-10MGCN	10 mg	17930
nNOS Inhibitor I 490070-5MGCN	5 mg	50200
NOC-12 487955-10MGCN	10 mg	18340
NOC-18 DETA NONOate 487957-10MGCN	10 mg	18340
NOC-5 487950-10MGCN	10 mg	15870
NOC-7 487952-10MGCN	10 mg	17110
Nociceptin 487960-1MGCN	1 mg	15730
Nocodazole 487928-10MGCN	10 mg	8490
Nodinitib-1 488004-10MGCN	10 mg	20960
Nogo-66 (1-40) Antagonist Peptide, Synth 488230-1MGCN	1 mg	35420
N-Oleoyl Ethanolamine 495417-25MGCN	25 mg	23110
NotchTranscriptionFactor InhibitorSAHM1 491002-1MGCN	1 mg	31730
Novobiocin, Sodium Salt 491207-1GMCN	1 gm	4800
491207-10GMCN	10 gm	23270
NOX Inhibitor III, VAS2870 492000-10MGCN	10 mg	13420

Catalog No.	Pack	Unit Price ₹
NOX1 Inhibitor, ML171 492002-10MGCN	10 mg	8490
NPPB 484100-10MGCN	10 mg	9730
Nrf2 Activator 492040-25MGCN	25 mg	16290
Nrf2 Activator II, AI-1 492041-25MGCN	25 mg	22870
Nrf2 Activator III, TAT-14 Peptide 492042-10MGCN	10 mg	44250
NS 2028 492030-5MGCN	5 mg	24190
NS-398 N-(2-CYCLOHEXYLOXY-4-NITROPHEN. 349254-5MGCN	5 mg	17110
NS8593 492031-10MGCN	10 mg	21220
NSC 721648 492035-5MGCN	5 mg	19420
N-SMase Inhibitor, GW4869 567715-1MGCN	1 mg	21880
N-tert-Butyl-a-phenylnitron 203995-500MGCN	500 mg	8490
NucleicAcidSensingTLRsAntagonistE6446-02 614315-10MGCN	10 mg	20960
Nucleozin 492905-25MGCN	25 mg	19260
N-WASP Inhibitor, 187-1 681660-1MGCN	1 mg	36650
Nystatin, Streptomyces noursei 475914-1GMCN	1 gm	4800
475914-5GMCN	5 gm	18340
Ochratoxin A 494128-1MGCN	1 mg	8900
ODQ 495320-10MGCN	10 mg	18340
O-GlcNAcase Inhibitor, TMG 110165CBC-25MGCN	25 mg	22870
Okadaic Acid, Ammonium Salt 459616-25UGCN	25 ug	8490
Okadaic Acid, Potassium Salt 459618-50UGCN	50 ug	13420
Okadaic Acid, Prorocentrum sp. 495604-25UGCN	25 ug	9730
495604-100UGCN	100 ug	31730
495604-500UGCN	500 ug	123750
Okadaic Acid, Sodium Salt 459620-25UGCN	25 ug	8320
Oleic Acid 4954-1GMCN	1 gm	4800
Oligomycin 495455-10MGCN	10 mg	9730
Olomoucine 495620-1MGCN	1 mg	4800
495620-5MGCN	5 mg	21730

Catalog No.	Pack	Unit Price ₹
Olomoucine II 495621-5MGCN	5 mg	24430
Omeprazole 496100-50MGCN	50 mg	14490
Omi/HtrA2 Protease Inhibitor, Ucf-101 496150-10MGCN	10 mg	13420
Oncrasin-1 496265-25MGCN	25 mg	10960
o-Nitrophenyl-b-D-galactopyranoside 48712-1GMCN	1 gm	4800
48712-5GMCN	5 gm	17110
o-Phenanthroline 516705-500MGCN	500 mg	7270
Oridonin, R. rubescens 496915-5MGCN	5 mg	13260
Ornithine Decarboxylase Inhibitor, POB 497985-10MGCN	10 mg	12040
OSC Inhibitor, Ro 48-8071 499635-10MGCN	10 mg	12180
Ouabain, Octahydrate 4995-1GMCN	1 gm	12180
OXE-R-Gβγ Coupling Modulator 370681-25MGCN	25 mg	29450
Oxytocin Receptor Antagonist, MSC1630296 500106-2MGCN	2 mg	31090
p21-Activated Kinase Inhibitor III, IPA-3 506106-5MGCN	5 mg	10960
506106-25MGCN	25 mg	38810
p21-Activated Kinase Inhibitor, Neg Ctrl 506102-2MGCN	2 mg	32810
p21-Activated Kinase Inhibitor, PAK18 506101-2MGCN	2 mg	32960
P38 MAP KINASE INHIBITOR 506126-500UGCN	500 ug	13420
P38 MAP KINASE INHIBITOR III 506121-1MGCN	1 mg	17110
p38 MAP Kinase Inhibitor IV 506153-10MGCN	10 mg	18030
p38 MAP Kinase Inhibitor IX 506161-2MGCN	2 mg	70660
p38 MAP Kinase Inhibitor V 506156-1MGCN	1 mg	22950
p38 MAP Kinase Inhibitor VI, JX401 506157-5MGCN	5 mg	20650
p38 MAP Kinase Inhibitor VII, SD-169 506158-10MGCN	10 mg	16950
p38 MAP Kinase Inhibitor VIII 506163-5MGCN	5 mg	20500
p38 MAP Kinase Inhibitor X, BIRB 796 506172-10MGCN	10 mg	16120
p38 MAP Kinase Inhibitor XI 506173-10MGCN	10 mg	31090
p53 Activator III, RITA 506149-1MGCN	1 mg	10960
p53 Activator VII, STIMA-1 506168-25MGCN	25 mg	12040

Catalog No.	Pack	Unit Price ₹
p53 Modulator, CP-31398 506166-5MGCN	5 mg	20500
p53-Snail binding Inhibitor, GN25 506170-25MGCN	25 mg	16950
p75NTR Signaling Inhibitor, TAT-Pep5 506181-500UGCN	500 ug	22030
p97 ATPase Activity Inhibitor, DBeQ 506190-10MGCN	10 mg	13260
Paclitaxel, 6a-Hydroxy- 580559-20NMOLCN	20 nmol	13260
Paclitaxel, Semi-Synthetic 580556-5MGCN	5 mg	9730
Paclitaxel, Taxus sp. 580555-5MGCN	5 mg	10960
580555-25MGCN	25 mg	40890
580555-100MGCN	100 mg	170060
PACOCF3 506274-5MGCN	5 mg	7270
PAD Inhibitor, Cl-amidine 506282-10MGCN	10 mg	20650
PAD3 Inhibitor, Cl4-amidine 506281-10MGCN	10 mg	19420
PAF Receptor Antagonist, ABT-491 511071-2MGCN	2 gm	15730
Palmitic Acid 506345-25GMCN	25 gm	12040
506345-100GMCN	100 gm	31570
Pamidronate Disodium 506600-10MGCN	10 mg	10960
p-Aminophenylmercuric Acetate 164610-700MGCN700	7 mg	8490
164610-1SETCN	1 set	32810
Papain, Carica papaya 5125-50GMCN	50 gm	8490
p-APMSF, HCl 178281-5MGCN	5 mg	13420
PAR-2 Agonist I 539109-1MGCN	1 mg	12790
539109-5MGCN	5 mg	34190
PARP Inhibitor I, 3-ABA 165350-100MGCN	100 mg	4800
PARP Inhibitor III, DPQ 300270-1MGCN	1 mg	10960
PARP Inhibitor IV, IQD 419800-5MGCN	5 mg	8490
PARP Inhibitor IX, EB-47 324473-1MGCN	1 mg	13260
PARP Inhibitor VI, NU1025 493800-5MGCN	5 mg	18340
PARP Inhibitor VIII, PJ34 528150-1MGCN	1 mg	8490
528150-5MGCN	5 mg	23270
PARP Inhibitor XII 528822-5MGCN	5 mg	24350
PARP Inhibitor XIV 528824-10MGCN	10 mg	28040

Catalog No.	Pack	Unit Price ₹
PARP Inhibitor XV, UPF-1035 528825-5MGCN	5 mg	20500
Parthenolide, Tanacetum parthenium 512732-50MGCN	50 mg	8490
Pasteurella Multocida Toxin 512743-50UGCN	50 ug	59730
PD 145065 513020-500UGCN	500 ug	14650
PD 150606 513022-5MGCN	5 mg	13420
PD 151746 513024-5MGCN	5 mg	32810
PD 153035 (AG 1517) 234490-1MGCN	1 mg	12180
PD 158780 513035-500UGCN	500 ug	16810
PD 166285 513028-5MGCN	5 mg	17110
PD 168393 513033-1MGCN	1 mg	15870
PD 169316 513030-1MGCN	1 mg	14650
PD 174265 513040-1MGCN	1 mg	13420
PD 98059 513000-5MGCN	5 mg	11940
513000-10MGCN	10 mg	18340
513000-25MGCN	25 mg	25570
PDE10A Inhibitor, Cpd15 513050-5MGCN	5 mg	27800
PDE4D Inhibitor, GEBR-7b 524748-5MGCN	5 mg	17930
PDGF Receptor Tyrosine Kinase Inhibitor 521234-1MGCN	1 mg	22030
PDGFR Tyrosine Kinase Inhibitor II 521231-1MGCN	1 mg	24190
PDGFR Tyrosine Kinase Inhibitor III 521232-1MGCN	1 mg	14650
PDGFR Tyrosine Kinase Inhibitor IV 521233-1MGCN	1 mg	19580
PDGFR Tyrosine Kinase Inhibitor VII 521237-5MGCN	5 mg	22950
PDGFR Tyrosine Kinase Inhibitor VI, SU6668 521235-5MGCN	5 mg	25420
PDGFR/VEGFR2 Tyrosine Kinase Inhibitor, 5-Br 521236-5MGCN	5 mg	21730
PDGFRbeta/RAF Kinase Inhibitor 521238-10MGCN	10 mg	22470
PDK1 Inhibitor II 521276-5MGCN	5 mg	13260
PDK1/Akt/Flt Dual Pathway Inhibitor *KP- 521275-5MGCN	5 mg	32960
Pepsin, Porcine Stomach Mucosa 516360-500MGCN	500 mg	4800
516360-2.5GMCN	2.5 gm	22030

Catalog No.	Pack	Unit Price ₹
Pepstatin A Methyl Ester 516485-1MGCN	1 mg	9730
Pepstatin A, Penetratin 516483-1MGCN	1 mg	24350
Pepstatin A, Synthetic 516481-5MGCN	5 mg	5910
516481-25MGCN	25 mg	17110
516481-100MGCN	100 mg	48960
PERK Inhibitor I, GSK2606414 516535-5MGCN	5 mg	19380
Peroxonitrite 516620-1SETCN	1 set	14650
Pertussis Toxin in Glycerol 516561-50UGCN	50 ug	40350
Pertussis Toxin, A Protomer, B pertussis 516854-10UGCN	10 ug	45270
Pertussis Toxin, A Protomer, B pertussis 516852-40UGCN	40 ug	63740
Pertussis Toxin, Bordetella pertussis 516560-50UGCN	50 ug	39110
Pertussis Toxin, Salt-Free 516562-50UGCN	50 ug	41420
PFKFB3 Inhibitor, 3PO 525330-25MGCN	25 mg	14930
P-Glycoprotein Inhibitor, C-4 517301-10MGCN	10 mg	21730
Phalloidin Oleate 516641-200UGCN	200 ug	20560
Phalloidin, Amanita phalloides 516640-1MGCN	1 mg	24430
Phenylarsine Oxide 521000-250MGCN	250 mg	4800
Phenylmethylsulfonyl Fluoride 52332-1GMCN	1 gm	4800
52332-5GMCN	5 gm	7270
52332-25GMCN	25 gm	22030
Phloretin 524488-200MGCN	200 mg	13260
Phorbol-12-myristate-13-acetate 524400-1MGCN	1 mg	7270
524400-5MGCN	5 mg	16770
524400-10MGCN	10 mg	32960
524400-25MGCN	25 mg	61270
Phosphodiesterase Inhibitor Set I 524718-1SETCN	1 set	63430
Phospholipase C Activator, m-3M3FBS 525185-10MGCN	10 mg	9730
Phosphoramidon, Disodium Salt 525276-5MGCN	5 mg	21880
Photochromic Ion Channel Blocker, QAQ 525331-10MGCN	10 mg	22870
PI 3,4-K inhibitor, PIK-93 528122-5MGCN	5 mg	36030
PI 3-K gamma Inhibitor "AS-605240" 528106-5MGCN	5 mg	22950

Catalog No.	Pack	Unit Price ₹
PI 3-K inhibitor IX, PIK-90 528117-5MGCN	5 mg	12790
PI 3-K Inhibitor XI, HWT 528119-5MGCN	5 mg	24350
PI 3-K/mTOR Inhibitor III, PKI-179 526561-5MGCN	5 mg	27800
PI 3-K/PDK-1 Inhibitor, NVP-BAG956 528121-5MGCN	5 mg	20500
PI 3-Kalpha Inhibitor IV 528111-5MGCN	5 mg	26650
PI 3-Kalpha Inhibitor VIII 528116-5MGCN	5 mg	26650
PI 3-Kbeta Inhibitor VI, TGX-221 528113-1MGCN	1 mg	34190
PI 3-Kdelta Inhibitor X, IC87114 528118-5MGCN	5 mg	12180
PI 3-Kg/CKII Inhibitor *AS-252424* 528112-5MGCN	5 mg	21730
PI 3-Kgamma Inhibitor II "AS-604850" 528108-5MGCN	5 mg	21730
PI 3-Kgamma Inhibitor VII 528114-5MGCN	5 mg	19260
PI-103 528100-1MGCN	1 mg	13420
528100-5MGCN	5 mg	50200
PI-3,4,5-P3, Dipalmitoyl-, Heptaammo 524615-100UGCN	100 ug	30350
PI3Kd inhibitor, SW30 526559-5MGCN	5 mg	18340
PI3Kd/g inhibitor, SW14 526560-5MGCN	5 mg	19420
Piceatannol 527948-1MGCN	1 mg	6030
PICK1 PDZ Domain Inhibitor, FSC231 529531-10MGCN	10 mg	14650
Picrotoxin, Anamirta cocculin 528105-100MGCN	100 mg	4800
Pifithrin-a 506132-5MGCN	5 mg	9730
506132-10MGCN	10 mg	15870
Pifithrin-a, Cyclic- 506134-10MGCN	10 mg	18340
Pifithrin-alpha, α -Nitro, Cyclic 506154-5MGCN	5 mg	13420
Pifithrin-mu 506155-10MGCN	10 mg	12180
PIKfyve Inhibitor 524611-5MGCN	5 mg	26650
PIM Kinase Inhibitor VIII, R8-T198wt 526527-5MGCN	5 mg	33020
PIM-1 Inhibitor III 526521-1MGCN	1 mg	27880
PIM1 Kinase Inhibitor II 526520-5MGCN	5 mg	12180
PIM1 Kinase Inhibitor IV 526522-5MGCN	5 mg	10960

Catalog No.	Pack	Unit Price ₹
PIM1/2 Kinase Inhibitor V 526523-5MGCN	5 mg	10800
PIM1/2 Kinase Inhibitor VI 526524-5MGCN	5 mg	10800
PIM3 Kinase Inhibitor VII, M 526526-10MGCN	10 mg	29450
PIM-Kinase Inhibitor IX, SGI-1776 526528-10MGCN	10 mg	31090
PIM-Kinase Inhibitor X, CX-6258 526529-10MGCN	10 mg	23980
PIP3 Antagonist II, DM-PIT-1 524619-25MGCN	25 mg	27800
PIP3 Antagonist, PITenin-7 524618-10MGCN	10 mg	13260
PIPER 528120-10MGCN	10 mg	13260
Piperlongumine 528124-25MGCN	25 mg	8900
PKA Inhibitor 14-22, Cell-Perm, Myristol 476485-500UGCN	500 ug	12180
PKC beta II Inhibitor/EGFR *CGP53353* 539652-2MGCN	2 mg	21730
PKC beta Inhibitor 539654-500UGCN	500 ug	18340
PKC Inhibitor 20-28, Cell-Perm, Myristol 476480-500UGCN	500 ug	14650
PKC Inhibitor, EGFR Fragment, Myristoyl 476475-500UGCN	500 ug	16810
PKCe Translocation Inhibitor Peptide 539522-5MGCN	5 mg	24350
PKCe Translocation Peptide, Neg Ctrl 539542-5MGCN	5 mg	23110
PKCepsilon Peptide Substrate 539562-500UGCN	500 ug	22950
PKCn Pseudosubstrate Inhibitor, Myristoyl 539604-500UGCN	500 ug	24350
PKCq Pseudosubstrate Inhibitor, Myristoyl 539636-500UGCN	500 ug	23270
PKCtheta/delta Inhibitor 539649-5MGCN	5 mg	18030
PKCz Pseudosubstrate Inhibitor 539610-500UGCN	500 ug	17110
PKCz Pseudosubstrate Inhibitor, Myristoyl 539624-500UGCN	500 ug	22030
PKD Inhibitor, CID755673 476495-10MGCN	10 mg	21880
PKG Ia Inhibitor, Cell-Permeable 370655-1MGCN	1 mg	14650
PKM2 Activator II, DASA 550602-10MGCN	10 mg	26160
PknG Inhibitor 370653-10MGCN	10 mg	13260
PKR Inhibitor 527450-5MGCN	5 mg	13420

Catalog No.	Pack	Unit Price ₹
PKR Inhibitor, Negative Control 527455-10MGCN	10 mg	13420
Plasminogen Activator Inhibitor-1, Recom 528213-50UGCN	50 ug	28040
Plasminogen Activator Inhibitor-1, Recom 528208-50UGCN	50 ug	29270
Plasminogen Activator Inhibitor-1, Recom 528205-50UGCN	50 ug	30490
Platelet Activating Factor-16 511075-1MGCN	1 mg	4800
511075-5MGCN	5 mg	10960
PLD Inhibitor, FIPI 528245-5MGCN	5 mg	19580
Pluripotin 540020-1MGCN	1 mg	10960
PME-1 Inhibitor, AMZ-30 539695-10MGCN	10 mg	21220
p-Nitroblue Tetrazolium Chloride 484235-250MGCN	250 mg	5910
484235-1GMCN	1 gm	19580
p-Nitrophenyl Phosphate Tablets 487666-1EACN	1 ea	9730
p-Nitrophenyl Phosphate, 2Na, Tablets 487600-1EACN	1 ea	14650
p-Nitrophenyl Phosphate, Disodium Salt, 4876-1GMCN	1 gm	4800
4876-5GMCN	5 gm	15870
p-Nitrophenyl Phosphate, DiTris Salt 487655-5GMCN	5 gm	4800
p-Nitrophenyl- α -D-glucopyranoside 487506-1GMCN	1 gm	4800
487506-5GMCN	5 gm	16950
p-Nitrophenyl- β -D-glucopyranoside 487507-1GMCN	1 gm	7270
p-Nitrophenyl- β -D-glucuronide 487500-1GMCN	1 gm	18340
p-Nitrophenyl- β -D-xylopyranoside 487870-1GMCN	1 gm	19260
p-Nitrophenyl-N-acetyl- β -D-glucosaminide 487052-1GMCN	1 gm	17110
p-NPP Substrate Buffer 487664-500MLCN	500 ml	15730
PNU-120596 528201-10MGCN	10 mg	24510
Polo-like Kinase Inhibitor I 528282-5MGCN	5 mg	21730
Polo-like Kinase Inhibitor II, BTO-1 528283-2MGCN	2 mg	20500
Polo-like Kinase Inhibitor III 528284-500UGCN	500 ug	10800
Polo-like Kinase Inhibitor IV, SBE13 528281-10MGCN	10 mg	13260
Polo-like Kinase Inhibitor V, Poloxin 528884-5MGCN	5 mg	19580
Polyphosphoinositide-Binding Peptide 529625-1MGCN	1 mg	30490

Catalog No.	Pack	Unit Price ₹
PON1 Activator, ZNPA 529505-10MGCN	10 mg	20960
PP1 Analog 529579-1MGCN	1 mg	17930
PP1 Analog II, 1NM-PP1 529581-1MGCN	1 mg	12180
PP1 Analog III, 3-MB-PP1 529582-5MGCN	5 mg	12180
PP1 Analog IV, 3-IB-PP1 529598-10MGCN	10 mg	26160
PP1 Analog V, 2,3-DMB-PP1 529599-10MGCN	10 mg	32740
PP2 529573-1MGCN	1 mg	12180
529573-5MGCN	5 mg	24490
PP2AlnhibII, GST-Fusion, Hu.Kid.Rec.E.coli 539620-250NGCN	250 ng	57120
PP3 529574-1MGCN	1 mg	8490
PPACK II, TFA Salt 520219-10MGCN	10 mg	26800
PPACK, Biotinylated 520224-1MGCN	1 mg	63430
PPACK, DiHCl 520222-5MGCN	5 mg	23270
520222-25MGCN	25 mg	77130
PPAR Agonist IX, GQ-16 516571-25MGCN	25 mg	22870
PPARb/d Antagonist, GSK3787 516567-10MGCN	10 mg	21220
PPARb/d Antagonist, PT-558 516569-10MGCN	10 mg	26160
PPARbeta/delta Inverse Agonist 516568-10MGCN	10 mg	20960
PPARg Modulator, SR1664 516570-2MGCN	2 mg	20960
PPARgamma Antagonist III, G3335 516566-50MGCN	50 mg	12040
PPlase-Parvulin Inhibitor 529627-10MGCN	10 mg	12180
PPM1D Phosphatase Inhibitor 529578-10MGCN	10 mg	12180
Pravastatin, Sodium Salt 524403-25MGCN	25 mg	10960
Pre-mRNA Splicing Inhibitor, Isoginkgetin 416154-10MGCN	10 mg	23980
PRIMA-1 530050-10MGCN	10 mg	14490
Prionogenesis inhibitor DAPH-12 530007-10MGCN	10 mg	13260
Pristimerin 530070-5MGCN	5 mg	13260
PRL-3 Inhibitor 539808-10MGCN	10 mg	19260
PRMT Inhibitor VI 539214-10MGCN	10 mg	21220

Catalog No.	Pack	Unit Price ₹
Prodigiosin <i>Serratia marcescens</i> 529685-200UGCN	200 ug	19580
Progesterone 5341-25GMCN	25 gm	8490
proINDY 537000-5MGCN	5 mg	19580
Prolyl Endopeptidase Inhib III, KYP-2047 537012-5MGCN	5 mg	20960
Prolyl Endopeptidase Inhibitor II 537011-5MGCN	5 mg	24350
PRONASE Protease, <i>S. griseus</i> , Nuclease-F 537088-5KUCN	5 ku	6030
537088-10KUCN	10 ku	9730
537088-25KUCN	25 ku	23110
537088-50KUCN	50 ku	40500
537088-100KUCN	100 ku	62660
PRONASE Protease, <i>Streptomyces griseus</i> 53702-10KUCN	10 ku	4800
53702-25KUCN	25 ku	7270
53702-50KUCN	50 ku	16950
53702-250KUCN	250 ku	51580
53702-500KUCN	500 ku	89740
Proprotein Convertase Inhibitor 537076-2MGCN	2 mg	24510
Prostaglandin D2 538909-1MGCN	1 mg	14490
Prostaglandin E1 538903-1MGCN	1 mg	9530
Prostaglandin E2 538904-1MGCN	1 mg	9730
Prostaglandin F2A 538907-1MGCN	1 mg	9730
Prostaglandin I2, Sodium Salt 538925-1MGCN	1 mg	31730
Pro-survival Compound, DDD00033325 529659-10MGCN	10 mg	27800
Protease Arrest Reagent 539124-1SETCN	1 set	23110
Proteasome Inhibitor I 539160-1MGCN	1 mg	9730
539160-5MGCN	5 mg	29110
Proteasome Inhibitor II 539162-1MGCN	1 mg	9730
539162-5MGCN	5 mg	30190
Proteasome Inhibitor III 539163-100UGCN	100 ug	30490
Proteasome Inhibitor IV 539175-5MGCN	5 mg	25420
Proteasome Inhibitor Set 539164-1SETCN	1 set	44040
Proteasome Inhibitor Set II 539165-1SETCN	1 set	46510
Proteasome Inhibitor VIII, beta-Lactam 3 539183-100UGCN	100 ug	36650
Proteasome Inhibitor X, PI-083 539187-25MGCN	25 mg	19260

Catalog No.	Pack	Unit Price ₹
Proteasome Inhibitor XX, GL5 539185-10MGCN	10 mg	19260
Proteasome Substrate II, Fluorogenic 539141-5MGCN	5 mg	23270
Proteasome Substrate III, Fluorogenic 539142-5MGCN	5 mg	25950
Proteasome Substrate VI, Fluorogenic 539149-5MGCN	5 mg	10740
Protein Arg N-Methyltransferase Inhibitor 539209-5MGCN	5 mg	17110
Protein Kinase A Inhibitor 5-24 116805-500UGCN	500 ug	19260
Protein Kinase A Inhibitor 6-22 Amide 539684-1MGCN	1 mg	15870
Protein Kinase C Inhibitor Peptide 19-31 05-23-4904-1MGCN	1 mg	14490
Protein Kinase C Inhibitor Peptide 19-36 539560-500UGCN	500 ug	20500
Protein Kinase C Inhibitor Set 539573-1SETCN	1 set	55120
Protein Kinase G Inhibitor 370654-1MGCN	1 mg	8490
Protein Methyltransferase Inhibitor II, BIX-01338 539212-2MGCN	2 mg	13420
Protein Methyltransferase Inhibitor AML-5 539211-50MGCN	50 mg	10960
Protein Phosphatase Inhibitor 2, Recom 539638-100UGCN	100 ug	32650
Protein Phosphatase Inhibitor Set II 539630-1SETCN	1 set	45110
Protein Synthesis Initiation Inhibitor 539690-25MGCN	25 mg	21730
PROTEINASA K TRITIRACHIUM ALBUM 539480-25MGCN	25 mg	3490
Proteinase K Inhibitor 539470-10MGCN	10 mg	25210
Proteinase K, Tritirachium album 539480-100MGCN	100 mg	8320
ProteinLysMethyltransferaseInhibitor,UNC 476496-5MGCN	5 mg	16950
PSA Substrate, Fluorogenic 539582-1MGCN	1 mg	20800
PSD95 Inhibitor, Tat-N-dimer 529542-2MGCN	2 mg	27800
Pterostilbene, Pterocarpus marsupium 523310-10MGCN	10 mg	20800
PTIO 2-PHENYL-4,4,5,5-TETRAMETHYLIMID. 523350-25MGCN	25 mg	14650
PTK/PI 3-K/mTOR Inhibitor, PP121 529584-5MGCN	5 mg	14490
PTP Inhibitor I 540200-10MGCN	10 mg	17110
PTP Inhibitor V, PHPS1 540213-10MGCN	10 mg	14650

Catalog No.	Pack	Unit Price ₹
PTP Inhibitor XVIII 540216-10MGCN	10 mg	13260
PTP Inhibitor XXXI, II-B08 565852-10MGCN	10 mg	31090
PTP LYP Inhibitor 540217-5MGCN	5 mg	16950
PTP1B Inhibitor 539741-5MGCN	5 mg	23270
PTPase CD45 Inhibitor 540215-5MGCN	5 mg	19580
PTPase Inhibitor III 540210-10MGCN	10 mg	19260
PTPase Inhibitor IV 540211-10MGCN	10 mg	13260
Purmorphamine 540220-5MGCN	5 mg	20800
540220-20MGCN	20 mg	53890
Purvalanol A 540500-1MGCN	1 mg	9730
Pyrintegrin 544049-5MGCN	5 mg	21730
Pyruvate Kinase Activator 550601-25MGCN	25 mg	20960
Quercetagenin 551590-5MGCN	5 mg	31730
Quercetin, Dihydrate 551600-100MGCN	100 mg	4800
Quinacrine, DiHCl 551850-100MGCN	100 mg	4800
QX-314 552233-100MGCN	100 mg	10960
Rab7 GTPase Inhibitor, CID 1067700 553326-10MGCN	10 mg	22870
Rac Inhibitor III, EHOp-016 553513-10MGCN	10 mg	20960
Rac1 Inhibitor 553502-5MGCN	5 mg	34340
553502-10MGCN	10 mg	36810
Rac1 Inhibitor II 553511-10MGCN	10 mg	10960
RAD51 Inhibitor II, RI-1 553514-10MGCN	10 mg	19580
RAD51 Inhibitor, B02 553525-25MGCN	25 mg	19580
RAD51-Stimulatory Compound-1, RS-1 553510-10MGCN	10 mg	13260
Raf Kinase Inhibitor IV *L-779,450* 553014-1MGCN	1 mg	15870
Raf Kinase Inhibitor V 553015-1MGCN	1 mg	16810
Raf Kinase Inhibitor VI 553016-5MGCN	5 mg	9730
RAF Kinase Inhibitor VII 553018-5MGCN	5 mg	22620
Raf1 Kinase Inhibitor I **GW5074** 553008-1MGCN	1 mg	14650

Catalog No.	Pack	Unit Price ₹
RAGE Antagonist Peptide, RAP 553031-10MGCN	10 mg	24510
RAGE Antagonist, FPS-ZM1 553030-25MGCN	25 mg	21010
Rapamycin 553210-100UGCN	100 ug	4800
553210-1MGCN	1 mg	23570
553210-10MGCN	10 mg	49120
Rapamycin 553210-5MGCN	5 mg	39110
Ras/Rac Transformation Blocker, SCH51344 553509-10MGCN	10 mg	16950
Ras-Net (Elk-3) Pathway Inhibitor, XRP44 480150-5MGCN	5 mg	20500
Rb/Raf-1 Disruptor 251 559270-25MGCN	25 mg	12040
Resveratrol 554325-25MGCN	25 mg	5910
Resveratrol, Triacetyl 554328-25MGCN	25 mg	15730
RET Receptor Tyrosine Kinase Inhibitor 554340-10MGCN	10 mg	18340
Retro-2 554715-25MGCN	25 mg	17110
REV-ERB Agonist II, SR9009 554726-25MGCN	25 mg	27800
REV-ERB α Antagonist, SR8278 554718-5MGCN	5 mg	14490
REV-ERB α Agonist, GSK4112 554716-10MGCN	10 mg	12180
Reversine 554717-5MGCN	5 mg	21880
RGS Proteins Inhibitor II, CCG-50014 554995-10MGCN	10 mg	17930
RHC-80267 554994-10MGCN	10 mg	12180
Rho Inhibitor, Rhosin 555460-25MGCN	25 mg	27800
Rho Kinase Inhibitor III, Rockout 555553-10MGCN	10 mg	12180
Rho Kinase Inhibitor IV 555554-1MGCN	1 mg	24350
Rho Kinase Inhibitor V 555555-5MGCN	5 mg	35120
Rho Kinase Inhibitor VII 555556-5MGCN	5 mg	16950
Rho Kinase Inhibitor XIII, RKI-1447 555562-10MGCN	10 mg	27800
Rho/SRF Pathway Inhibitor, CCG-1423 555558-25MGCN	25 mg	18340
Rho-Kinase Inhibitor **H-1152** 555550-1MGCN	1 mg	24350
555550-5MGCN	5 mg	51420
Rho-Kinase Inhibitor II 555551-5MGCN	5 mg	20500

Catalog No.	Pack	Unit Price ₹
Ribonuclease Inhibitor, Hu., Recom 556881-2500UCN	2500 u	28140
Riluzole 557324-50MGCN	50 mg	12180
RNA Polymerase III Inhibitor 557403-10MGCN	10 mg	32960
RNAi Enhancer, Enoxacin Sodium Salt 557305-250MGCN	250 mg	7270
RNase L Activator 556770-25MGCN	25 mg	20500
Ro106-9920 557550-1MGCN	1 mg	12040
Ro-20-1724 557502-100MGCN	100 mg	8490
Ro-31-7549 557508-1MGCN	1 mg	16950
Ro-31-8220 557520-500UGCN	500 ug	12180
Ro-31-8425 557514-1MGCN	1 mg	14490
Ro-32-0432 557525-1MGCN	1 mg	17110
Rolipram 557330-5MGCN	5 mg	18340
ROR γ Inverse Agonist, SR2211 557353-5MGCN	5 mg	20960
ROR α/γ Agonist, SR1078 557352-10MGCN	10 mg	21220
ROS Inhibitor, YCG063 557354-5MGCN	5 mg	14650
Roscovitine 557360-1MGCN	1 mg	6030
557360-5MGCN	5 mg	20800
Roscovitine, (S)-Isomer 557362-1MGCN	1 mg	7270
Rosiglitazone 557366-10MGCN	10 mg	14640
Rotenone 557368-1GMCN	1 gm	9730
Rottlerin 557370-10MGCN	10 mg	10740
RSK Inhibitor II *BI-D1870* 559286-5MGCN	5 mg	24350
RSK Inhibitor, SL0101 559285-1MGCN	1 mg	28040
Ru360 557440-500UGCN	500 ug	21880
557440-1MGCN	1 mg	40190
557440-1SETCN	1 set	52500
Ruthenium Red 557450-250MGCN	250 mg	7270
RXR α Inhibitor, K-80003 557451-10MGCN	10 mg	17110
Ryanodine, High Purity 559276-500UGCN	500 ug	22030

Catalog No.	Pack	Unit Price ₹
S1P1 Receptor Agonist III 567734-10MGCN	10 mg	17930
S1P1 Receptor Agonist, SEW2871 567733-1MGCN	1 mg	18190
567733-5MGCN	5 mg	47580
S1P4 Receptor Antagonist, CYM50358 567737-5MGCN	5 mg	28500
S6K1 Inhibitor II, DG2 559274-10MGCN	10 mg	21010
S6K1 Inhibitor, PF-4708671 559273-10MGCN	10 mg	25480
Safingol 559300-1MGCN	1 mg	17110
Salinomycin 563080-2MGCN	2 mg	13260
Sangivamycin 559307-1MGCN	1 mg	13260
SANT-1 559303-5MGCN	5 mg	15870
SB 202190 559388-1MGCN	1 mg	12180
SB 202190, Hydrochloride 559393-1MGCN	1 mg	15870
SB 202474 559387-1MGCN	1 mg	14650
SB 203580 559389-1MGCN	1 mg	13150
559389-5MGCN	5 mg	24000
559389-10MGCN	10 mg	37890
SB 203580, Hydrochloride 559395-1MGCN	1 mg	13420
559395-10MGCN	10 mg	29270
SB 203580, Iodo- 559400-1MGCN	1 mg	16810
SB 203580, Sulfone 559399-1MGCN	1 mg	14490
SB 220025, Trihydrochloride 559396-500UGCN	500 ug	20800
SB 225002 559405-1MGCN	1 mg	9730
SB 239063 559404-500UGCN	500 ug	15870
SB 290157 559410-10MGCN	10 mg	13420
SB 328437 559406-1MGCN	1 mg	7270
559406-5MGCN	5 mg	31570
SB-218078 559402-1MGCN	1 mg	18190
SBHA 559418-100MGCN	100 mg	16290
S-Butyrylthiocholine Iodide 203989-25GMCN	25 gm	21730
SC-560 565610-5MGCN	5 mg	14650

Catalog No.	Pack	Unit Price ₹
SC68376 565625-1MGCN	1 mg	26650
Scriptaid 565730-5MGCN	5 mg	16810
SecinH3 565725-5MGCN	5 mg	24490
Serine/Threonine Kinase Inhibitor Set 539572-1SETCN	1 set	50200
sFRP Inhibitor II 344301-10MGCN	10 mg	15730
sFRP-1 Inhibitor 344300-5MGCN	5 mg	18030
Shikonin 565850-10MGCN	10 mg	10960
SHIP1 Inhibitor, 3AC 565835-10MGCN	10 mg	15870
SHIP2 Inhibitor, AS1938909 565840-10MGCN	10 mg	24510
SHP1/2 PTPase Inhibitor, NSC-87877 565851-50MGCN	50 mg	11940
Sialyltransferase Inhibitor, 3Fax-Peracetyl Neu5Ac 566224-10MGCN	10 mg	30010
Simvastatin 567020-50MGCN	50 mg	23270
Simvastatin, Sodium 567021-5MGCN	5 mg	23270
567021-50MGCN	50 mg	126200
SIN-1, HCl 567028-20MGCN	20 mg	12180
Siomycin A, Streptomyces siوياensis 567060-500UGCN	500 ug	34190
SIRT1 Activator II 566313-10MGCN	10 mg	13420
SIRT1 Inhibitor III *EX-527* 566322-5MGCN	5 mg	24490
SIRT1 Inhibitor IV, (S)-35 566325-500UGCN	500 ug	18340
Sirt1 Inhibitor VII, Inauhizin 566332-10MGCN	10 mg	22870
SIRT1/2 Inhibitor IV, Cambinol 566323-5MGCN	5 mg	21730
SIRT1/2 Inhibitor VII 566327-10MGCN	10 mg	10960
SIRT1/2 Inhibitor VIII, Salermide 566330-10MGCN	10 mg	15730
SIRT2 Inhibitor II, AK-1 566331-10MGCN	10 mg	13260
SIRT2 Inhibitor, AGK2 566324-5MGCN	5 mg	17110
SIRT2 Inhibitor, Inactive Control, AGK7 566326-5MGCN	5 mg	19260
Sirtinol 566320-5MGCN	5 mg	23270
SKF-525A, HCl 567300-1GMCN	1 gm	32810

Catalog No.	Pack	Unit Price ₹
SKF-86002 567305-5MGCN	5 mg	17110
SKF-96365, HCl 567310-5MGCN	5 mg	15870
Smac-N7 Peptide 567370-5MGCN	5 mg	36340
Smac-N7 Peptide, Cell-Permeable 567375-1MGCN	1 mg	30490
Smad3 Inhibitor, SIS3 566405-1MGCN	1 mg	17110
SMER28 573121-10MGCN	10 mg	18340
S-Methylisothiourea Sulfate 466220-100MGCN	100 mg	6030
S-Methyl-L-thiocitrulline, Dihydrochloride 472804-10MGCN	10 mg	17110
Smoothed Agonist, SAG 566660-1MGCN	1 mg	28040
566660-5MGCN	5 mg	79580
SNAPTide BoTox A Substrate, Fluor. 567333-200NMOLCN	200 nmol	64660
S-Nitrosoglutathione 487920-10MGCN	10 mg	7270
487920-1SETCN	1 set	21730
487920-50MGCN	50 mg	26800
SOD1 Inhibitor, LCS-1 567417-10MGCN	10 mg	19580
Sodium 4-Phenylbutyrate 567616-100MGCN	100 mg	7270
Sodium Butyrate 567430-250MGCN	250 mg	6030
Sodium Nitroprusside, Dihydrate 567538-100MGCN	100 mg	4800
Sodium Orthovanadate 567540-5GMCN	5 gm	5910
Sodium Salicylate 567630-5GMCN	5 gm	4800
Sodium Stibogluconate 567565-1GMCN	1 gm	10960
Soluble Epoxide Hydrolase Inhibitor 324813-25MGCN	25 mg	13260
Somatostatin 05-23-0850-5MGCN	5 mg	12040
Spautin-1 567569-10MGCN	10 mg	20960
Spermidine, TriHCl 56766-5GMCN	5 gm	20800
Spermine NONOate 567703-10MGCN	10 mg	4800
Sphingomyelin, Bovine Spinal Cord 567706-100MGCN	100 mg	18030
Sphingosine Kinase 1 Inhibitor II, PF-54 567741-5MGCN	5 mg	19580
Sphingosine Kinase 1 Inhibitor, SKI-178 567732-10MGCN	10 mg	17930

Catalog No.	Pack	Unit Price ₹
Sphingosine Kinase Inhibitor 567731-10MGCN	10 mg	12180
Sphingosylphosphorylcholine 567735-10MGCN	10 mg	53570
sPLA2-IIA Inhibitor I 525145-1MGCN	1 mg	14650
Splitomicin 567750-5MGCN	5 mg	15730
SQ 22536 568500-5MGCN	5 mg	14650
SQI-Pr 569385-500UGCN	500 ug	24190
Src Inhibitor PP1 567809-1MGCN	1 mg	9730
Src Kinase Inhibitor I 567805-1MGCN	1 mg	14650
Src Kinase Inhibitor II 567806-5MGCN	5 mg	22950
SREBP Processing Inhibitor, Betulin 569371-250MGCN	250 mg	8490
SRT1720 567860-10MGCN	10 mg	23980
STAT1 Enhancer, 2-NP 573080-25MGCN	25 mg	20500
STAT3 Inhibitor III, WP1066 573097-10MGCN	10 mg	16670
STAT3 Inhibitor IX, Cpd188 573125-10MGCN	10 mg	12180
STAT3 Inhibitor Peptide 573095-1MGCN	1 mg	20500
STAT3 Inhibitor Peptide, Cell-Permeable 573096-1MGCN	1 mg	20800
573096-5MGCN	5 mg	85740
STAT3 Inhibitor Peptide, Cell-permeable, I 573105-5MGCN	5 mg	57580
STAT3 Inhibitor V, Stattic 573099-25MGCN	25 mg	21590
Stat3 Inhibitor VI, S31-201 573102-10MGCN	10 mg	19580
573102-25MGCN	25 mg	30490
STAT3 Inhibitor VII 573103-5MGCN	5 mg	17110
STAT3 Inhibitor VIII, 5,15-DPP 573109-25MGCN	25 mg	10960
STAT3 Inhibitor X, HJB 573106-1MGCN	1 mg	13260
STAT3 Inhibitor XI, STX-0119 573126-25MGCN	25 mg	34380
STAT3 Inhibitor XII, SPI 573127-5MGCN	5 mg	40960
Stat3 Inhibitor XIII, C188-9 573128-10MGCN	10 mg	17930
STAT3 Inhibitor XIV, LLL12 573131-10MGCN	10 mg	24510
STAT3 Inhibitor XVIII, BP-1-102 573132-10MGCN	10 mg	29450

Catalog No.	Pack	Unit Price ₹
STAT5 Inhibitor 573108-10MGCN	10 mg	12180
STAT5 Inhibitor II, IQDMA 420294-10MGCN	10 mg	13260
STAT5 Inhibitor III, Pimozide 573110-100MGCN	100 mg	6030
Stauprimide 569393-500UGCN	500 ug	25420
Staurosporine, N-Benzoyl 539648-1MGCN	1 mg	23110
Staurosporine, Streptomyces sp. 569397-100UGCN	100 ug	12180
569397-250UGCN	250 ug	24490
569397-1MGCN	1 mg	73740
Ste11 MAPKKK Activation Inhibitor 570100-5MGCN	5 mg	22950
Stearic Acid 569398-25GMCN	25 gm	12180
569398-100GMCN	100 gm	42500
Stem-Cell Factor/c-Kit Inhibitor, ISCK03 569615-10MGCN	10 mg	18030
StemSelect(R) 384-Well Library I 569744-1EACN	1 ea	615370
STO-609 570250-5MGCN	5 mg	24490
SU11652 INHIBITOR 572660-500UGCN	500 ug	39110
SU1498 572888-5MGCN	5 mg	18340
SU5402 572630-500UGCN	500 UG	27800
572630-1MGCN	1 mg	49190
572630-2MGCN	2 mg	67290
SU5402 InSolution 572631-500UGCN	500 UG	27800
SU5614 572632-1MGCN	1 mg	26160
SU6656 INHIBITOR 572635-1MGCN	1 mg	17110
SU9516 572650-5MGCN	5 mg	14650
Substance P 05-23-0600-1MGCN	1 mg	4800
05-23-0600-5MGCN	5 mg	17110
05-23-0600-25MGCN	25 mg	45110
Succinyl-Ala-Ala-Pro-Phe-p-nitroanilide 573462-25MGCN	25 mg	7270
Sulindac Sulfide 574102-5MGCN	5 mg	9730
Suramin, Sodium Salt 574625-50MGCN	50 mg	4800
574625-200MGCN	200 mg	16950
Survivin Antagonist, S12 574661-10MGCN	10 mg	26160
Survivin Inhibitor, YM155 574662-10MGCN	10 mg	19580

Catalog No.	Pack	Unit Price ₹
Swainsonine, Swainsona canescens 574775-500UGCN	500 ug	8490
Swinholide A, Theonella swinhoei 574776-10UGCN	10 ug	21730
Syk Inhibitor 574711-5MGCN	5 mg	14650
Syk Inhibitor II 574712-1MGCN	1 mg	31730
Syk Inhibitor III 574713-50MGCN	50 mg	13260
Syk Inhibitor IV, BAY 61-3606 574714-2MGCN	2 mg	18340
Syk Inhibitor V 574715-2MGCN	2 mg	28500
Syntide 2 05-23-4910-5MGCN	5 mg	44040
T Antigen, p-Nitrophenyl- 575303-5MGCN	5 mg	45110
T0070907 575305-5MGCN	5 mg	14490
T0901317 575310-10MGCN	10 mg	14360
T113242 575307-10MGCN	10 mg	16950
TACE Substrate III, Fluorogenic 616403-500UGCN	500 ug	34190
TACE Substrate IV, Fluorogenic 616407-1MGCN	1 mg	22950
Tamoxifen Citrate 579000-100MGCN	100 mg	6030
Tamoxifen, 4-Hydroxy-, (Z)- 579002-5MGCN	5 mg	18340
Tankyrase1/2 Inhibitor III 575546-10MGCN	10 mg	22870
Tankyrase1/2 Inhibitor IV, JW55 575547-25MGCN	25 mg	22470
Tankyrase1/2 Inhibitor, XAV939 575545-10MGCN	10 mg	15870
TAPI-0 579050-1MGCN	1 mg	40350
TAPI-1 579051-1MGCN	1 mg	39110
TAPI-2 579052-1MGCN	1 mg	39110
Tau Aggregation Inhibitor, ATPZ, Cpd16 580222-10MGCN	10 mg	20500
Tautomycin, S. spiroverticillatus 580551-50UGCN	50 ug	34190
TCPOBOP 580563-25MGCN	25 mg	16950
Telomerase Inhibitor III, Sodium Salt 581004-150NMOLCN	150 nmol	18030
Telomerase Inhibitor IX 581011-10MGCN	10 mg	14650

Catalog No.	Pack	Unit Price ₹
TEMPOL 4-HYDROXY-TEMPO, 4-HYDROXY-2,2, 581500-500MGCN	500 mg	8490
Tenovin-1 580566-10MGCN	10 mg	8490
Terreic Acid, Synthetic 581810-2MGCN	2 mg	15730
Tetanus Toxin, C-Fragment, C. tetani 582235-10UGCN	10 ug	80500
Tetanus Toxin, Clostridium tetani 582243-25UGCN	25 ug	23270
Tetanus Toxoid, Clostridium tetani 582231-25UGCN	25 ug	31890
Tetrodotoxin, Fugu sp. 554412-1MGCN	1 mg	42610
TGF- β RI Kinase Inhibitor II 616452-2MGCN	2 mg	14650
TGF- β RI Kinase Inhibitor 616451-5MGCN	5 mg	15870
TGF- β RI Kinase Inhibitor III 616453-2MGCN	2 mg	17110
TGF- β RI Kinase Inhibitor IV*A-83-01* 616454-2MGCN	2 mg	17110
TGF- β RI Kinase Inhibitor IX 616463-10MGCN	10 mg	20500
TGF- β RI Kinase Inhibitor V 616456-2MGCN	2 mg	13260
TGF- β RI Kinase Inhibitor VI, SB43154 616461-5MGCN	5 mg	13420
TGF- β RI Kinase Inhibitor VII 616458-5MGCN	5 mg	20500
TGF- β RI Kinase Inhibitor VIII 616459-2MGCN	2 mg	20500
Thapsigargin 586005-1MGCN	1 mg	11940
Threonine Dehydrogenase Inhibitor, QC1 603425-10MGCN	10 mg	20960
Thrombin Receptor Agonist 605208-500UGCN	500 ug	30490
Thrombin Substrate III, Fluorogenic 605211-25MGCN	25 mg	9730
Thymidylate Kinase Inhibitor, YMU1 606015-10MGCN	10 mg	17930
Thyroid Hormone Receptor Antagonist 609315-5MGCN	5 mg	17110
Tie2 Kinase Inhibitor 612085-5MGCN	5 mg	26800
TIMP-1, Human Neutrophil Granulocyte 612080-5UGCN	5 ug	32960
TIMP-1, Recombinant, Human PF019-3UGCN	3 ug	22030
TIMP-2, Hu. Rheumatoid Synovial Fibro 612084-5UGCN	5 ug	44040
TIMP-2, Human, Recombinant PF021-3UGCN	3 ug	22030

Catalog No.	Pack	Unit Price ₹
TIRAP Inhibitor Peptide, Cell-Permeable 613570-1MGCN	1 mg	30490
TIRAP Inhibitor Peptide, Control, Cell-P 613571-1MGCN	1 mg	30490
TLR3/dsRNA Complex Inhibitor 614310-10MGCN	10 mg	21220
TLR4 Inhibitor, TAK-242 614316-5MGCN	5 mg	27800
TMEM16A Activator, Eact 613550-10MGCN	10 mg	17940
TMEM16A Inhibitor, T16Ainh-A01 613551-5MGCN	5 mg	22470
TMPyP4 MESO-5,10,15,20-TETRAKIS 613560-25MGCN	25 mg	10960
TNAP Inhibitor 613810-10MGCN	10 mg	12040
TNF- α Antagonist III, R-7050 654257-10MGCN	10 mg	15870
TNF- α Inhibitor 654256-5MGCN	5 mg	26800
TNP-470 654270-10MGCN	10 mg	22620
TOFA 613450-5MGCN	5 mg	30490
Tomatidine, HCl 614350-25MGCN	25 mg	7270
Topoisomerase II Inhibitor, BNS-22 614853-10MGCN	10 mg	22870
Topoisomerase IIa Inhibitor, TSC24 614852-10MGCN	10 mg	13260
Toxin A, Clostridium difficile 616379-2UGCN	2 ug	29270
Toxin B, Clostridium difficile 616377-2UGCN	2 ug	50200
Toxin II, Anemonia sulcata 616390-100UGCN	100 ug	13420
Tpl2 Kinase Inhibitor 616373-1MGCN	1 mg	17110
Tpl2 Kinase Inhibitor II 616404-1MGCN	1 mg	31730
TPRC3 Channel Inhibitor III, Pyr10 648494-10MGCN	10 mg	26160
Tranilast 616400-10MGCN	10 mg	14490
Transglutaminase 2 Inhibitor Negative Control, Zc 616468-5MGCN	5 mg	17930
Tranlylcypromine, HCl 616431-500MGCN	500 mg	10960
Trequinsin, HCl 382425-10MGCN	10 mg	30190
Trichostatin A, Streptomyces sp. 647925-1MGCN	1 mg	23270
TrioN-TerminalRhoGEFDomainInhibitor,ITX3 645890-10MGCN	10 mg	12040

Catalog No.	Pack	Unit Price ₹
Triptolide, Tripterygium wilfordii		
645900-1MGCN	1 mg	12040
645900-5MGCN	5 mg	46190
Trk Inhibitor III, GNF-5837		
648451-10MGCN	10 mg	30780
TrkA Inhibitor		
648450-1MGCN	1 mg	14650
Troglitazone		
648469-5MGCN	5 mg	17110
TrpA1 Antagonist, HC-030031		
648485-10MGCN	10 mg	11910
TRPC3 Channel Inhibitor, Pyr3		
648490-10MGCN	10 mg	16950
TRPM4 Inhibitor, 9-Phenanthrol		
648492-50MGCN	50 mg	8900
TRPML Agonist, ML-SA1		
648493-25MGCN	25 mg	21220
TRPV4 Antagonist I, RN-1734		
616520-10MGCN	10 mg	11910
TRPV4 Antagonist II, HC-067047		
616521-10MGCN	10 mg	14930
Trypsin Inhibitor, Corn		
650345-1MGCN	1 mg	31730
Trypsin Inhibitor, Soybean		
65035-100MGCN	100 mg	8320
Trypsin Inhibitor, Soybean		
650357-100MGCN	100 mg	14650
Trypsin Inhibitor, Soybean		
65035-1GMCN	1 gm	40350
Trypsin Inhibitor, Soybean		
650357-250MGCN	250 mg	34190
Trypsin, Bovine Pancreas		
6502-2.5MUCN	2 mu	6030
6502-25MUCN	25 mu	46650
Trypsin, Bovine, MS Grade		
650277-1SETCN	1 set	20650
Trypsin, Excision Grade, Bovine Pancreas		
650211-100UGCN	100 ug	8490
Trypsin, Iodination Gr., Hu. Pancreas		
650275-50UGCN	50 ug	24490
Trypsin, Porcine, MS Grade		
650279-1SETCN	1 set	20650
Tryptase, Human Lung		
650366-25UGCN	25 ug	41730
TTNPB		
654085-10MGCN	10 mg	41270
Tubulin Polymerization Inhibitor II		
654164-5MGCN	5 mg	13260
Tumor Necrosis Factor- α Antagonist		
654255-1MGCN	1 mg	26800
TX-1123		
655200-10MGCN	10 mg	14490
TX-1918		
655203-10MGCN	10 mg	14490

Catalog No.	Pack	Unit Price ₹
Tyrosine Kinase Inhibitor Set II		
657021-1SETCN	1 set	41230
U0124		
662006-1MGCN	1 mg	9730
U0126		
662005-10MGCN	10 mg	37890
U0126		
662005-1MGCN	1 mg	8320
662005-5MGCN	5 mg	24000
662005-20MGCN	20 mg	62510
U18666A		
662015-10MGCN	10 mg	13420
U-46619		
538944-1MGCN	1 mg	22030
U-73122		
662035-5MGCN	5 mg	13420
U-73343		
662041-5MGCN	5 mg	13420
UbcH13 Inhibitor, NSC697923		
662107-25MGCN	25 mg	23980
Ubiquitin Aldehyde		
662056-50UGCN	50 ug	26960
Ubiquitin E1 Inhibitor, PYR-41		
662105-25MGCN	25 mg	22030
Ubiquitin Isopeptidase Inhibitor I, G5		
662125-10MGCN	10 mg	24350
UCH-L1 Inhibitor		
662086-10MGCN	10 mg	13420
UCH-L1 Inhibitor II		
662088-10MGCN	10 mg	9730
UCH-L3 Inhibitor		
662089-10MGCN	10 mg	14490
UCN-01		
539644-500UGCN	500 ug	19580
Urea Transporter B Inhibitor		
666125-10MGCN	10 mg	24510
Urokinase Substrate I, Colorimetric		
672157-5MGCN	5 mg	20500
Urokinase Substrate III, Fluorogenic		
672159-25MGCN	25 mg	7270
Ursolic Acid		
672315-50MGCN	50 mg	7270
USP14-Proteasome Inhibitor, IU1		
662210-10MGCN	10 mg	15470
Vacuolin-1		
673000-10MGCN	10 mg	14490
Valproic Acid, Sodium Salt		
676380-5GMCN	5 gm	7270
V-ATPase Inhibitor, KM91104		
672999-10MGCN	10 mg	12180
VEGFR/Tie-2/PDGFR Tyrosine Kinase Inhibitor		
676503-5MGCN	5 mg	17930
VEGF Inducer, GS4012		
676491-10MGCN	10 mg	14490

Catalog No.	Pack	Unit Price ₹
VEGF Inhibitor, CBO-P11		
676496-1MGCN	1 mg	32960
VEGF Inhibitor, Flt2-11		
676493-1MGCN	1 mg	20500
VEGF Inhibitor, Je-11		
676494-1MGCN	1 mg	43580
VEGF Inhibitor, V1		
676495-1MGCN	1 mg	14650
VEGF Receptor 2 Kinase Inhibitor I		
676480-1MGCN	1 mg	15380
VEGF Receptor 2 Kinase Inhibitor II		
676485-1MGCN	1 mg	15730
VEGF Receptor 2 Kinase Inhibitor IV		
676489-1MGCN	1 mg	12180
VEGF Receptor 2 Kinase Inhibitor VI		
676484-5MGCN	5 mg	24350
VEGF Receptor 3 Kinase Inhibitor, MAZ51		
676492-10MGCN	10 mg	15870
VEGF Receptor Tyrosine Kinase Inhibitor		
676483-500UGCN	500 ug	19260
VEGFR Tyrosine Kinase Inhibitor II		
676481-5MGCN	5 mg	18340
VEGFR Tyrosine Kinase Inhibitor V		
676501-5MGCN	5 mg	24190
VEGFR Tyrosine Kinase Inhibitor VI, AAL-993		
676504-10MGCN	10 mg	21220
VEGFR2 Kinase Inhibitor III (SU5416)		
676487-1MGCN	1 mg	15870
VEGFR2 Kinase Inhibitor VII, SKLB1002		
676505-10MGCN	10 mg	27800
VEGFR-2/Flt3/c-Kit Inhibitor		
676500-5MGCN	5 mg	24190
Veratridine		
676950-5MGCN	5 mg	8490
Vinblastin Sulfate		
677175-10MGCN	10 mg	13420
Vincristine Sulfate, Apocynaceae sp.		
677181-10MGCN	10 mg	39110
W-12, HCl		
681635-1MGCN	1 mg	12040
W-13, HCl		
681636-1MGCN	1 mg	10960
W-5, HCl		
681625-1MGCN	1 mg	12040
W-7, HCl		
681629-10MGCN	10 mg	10960
w-Conotoxin GVIA		
343781-100UGCN	100 UG	31090
Wee1 Inhibitor		
681640-1MGCN	1 mg	15870
Wee1 Inhibitor II		
681641-1MGCN	1 mg	19580
Wee1/Chk1 Inhibitor *PD0407824*		
681637-1MGCN	1 mg	15870

Catalog No.	Pack	Unit Price ₹
WHI-P180, Hydrochloride 681500-1MGCN	1 mg	20500
Wiskostatin 681525-1MGCN	1 mg	12790
681525-5MGCN	5 mg	44960
Withaferin A, Withania somnifera 681535-1MGCN	1 mg	12180
681535-5MGCN	5 mg	40190
Wnt Agonist 681665-5MGCN	5 mg	22030
Wnt Agonist I in DMSO 681664-2MGCN	2 mg	13420
Wnt Agonist II, SKL2001 681667-25MGCN	25 mg	29450
Wnt Antagonist I, IWR-1-endo 681669-10MGCN	10 mg	15870
Wnt Antagonist II, IWP-2 681671-10MGCN	10 mg	18340
Wnt Antagonist III, Box5 681673-10MGCN	10 mg	19580
Wnt Antagonist III, CCT036477 681674-5MGCN	5 mg	12790

Catalog No.	Pack	Unit Price ₹
Wnt Antagonist V 681677-10MGCN	10 mg	13260
Wnt Pathway Inhibitor XII, 21H7 681679-10MGCN	10 mg	13420
Wnt Synergist, QS11 681668-5MGCN	5 mg	46510
Wnt/b-catenin Inhibitor, Cardamonin 681672-2MGCN	2 mg	12790
Wogonin, S. baicalensis 681670-10MGCN	10 mg	23110
Wortmannin 681675-1MGCN	1 mg	9530
WP1130 681685-10MGCN	10 mg	15870
WRN Helicase Inhibitor, NSC 19630 681647-5MGCN	5 mg	11510
WY-14643 681725-50MGCN	50 mg	15380
Xestospongic C, Xestospongia sp. 682160-10UGCN	10 ug	26800
Xestospongic D, Xestospongia sp. 682162-50UGCN	50 ug	53570

Catalog No.	Pack	Unit Price ₹
Y-27632 688000-1MGCN	1 mg	18340
688000-5MGCN	5 mg	70050
688000-10MGCN	10 mg	97120
688000-100MGCN	100 mg	246610
YC-1 688100-5MGCN	5 mg	18030
Zaprinast 684500-25MGCN	25 mg	7270
Zebularine 691400-10MGCN	10 mg	17110
691400-25MGCN	25 mg	37730
Z-Guggulsterone 370690-10MGCN	10 mg	18030
370690-25MGCN	25 mg	35260
Zinc (II) Protoporphyrin IX 691550-25MGCN	25 mg	8490
ZM 336372 692000-1MGCN	1 mg	18340
γ-Secretase Inhibitor XX 565789-1MGCN	1 mg	40350
γ-Secretase Inhibitor XXI, Compound E 565790-1MGCN	1 mg	36650

InhibitorSelect™ Kinase Inhibitor Libraries

Calbiochem® InhibitorSelect™ Libraries contains collections of carefully selected, structurally diverse, and potent small molecules targeting members from several families of protein kinases in convenient, cost effective formats.

Well-characterized: Unlike small molecule libraries from other leading suppliers, InhibitorSelect™ libraries are

provided with documented cell permeability, reversibility, potency, published IC50/Ki values, lot-specific data, stability, and HPLC purity for most of the included molecules.

Well-documented: Comprehensive documentation about each inhibitor, such as molecular structure, IC50 values, literature citations, and CAS number (where available), is provided at your fingertips

Visit www.merck4biosciences.com/inhibitorselect to learn more information about InhibitorSelect™ Libraries

InhibitorSelect™ 96-Well Protein Kinase Inhibitor Library I (Catalogue No. 539744-1EACN)

This panel of compounds consists of 80, well-characterized protein kinase inhibitors targeting mainly tyrosine, AGC, and atypical families of kinases, the majority of which are cell-permeable and ATP-competitive.

InhibitorSelect™ 96-Well Protein Kinase Inhibitor Library II (Catalogue No. 539745-1EACN)

This panel of compounds consists of 80, well-characterized, cell permeable, potent and reversible protein kinase inhibitors targeting mainly CMGC and CaMK families of kinases; the majority of which are ATP-competitive.

InhibitorSelect™ 96-Well Protein Kinase Inhibitor Library III (Catalogue No. 539746-1EACN)

This panel of compounds consists of 84, well-characterized protein kinase inhibitors targeting mainly CMGC, CaMK, AGC, and STE families of kinases, the majority of which are cell-permeable and ATP-competitive.

InhibitorSelect™ 384-Well Protein Kinase Inhibitor Library I (Catalogue No. 539743-1EACN)

This panel of compounds consists of 160 well characterized, cell-permeable, potent, and reversible protein kinase inhibitors; the majority of which are ATP competitive. This library combines inhibitors from 96-well Library I and II in one 384-well plate.

Kinases Targeted By InhibitorSelect™ Libraries

The table below shows which target kinases are affected by inhibitors present in each of the 4 libraries:

Cat. No.	539744-1EACN	5339745-1EACN	5539746-1EACN	539743-1EACN
Prodduct Description	InhibitorSelect 96-Well PK Library I	InhibitorSelect 96-Well PK Library II	InhibitorSelect 96-Well PK Library III	InhibitorSelect 384-Well PK Library I
Target Kinases	96-well Library I	96-well Library II	96-well Library III	384-well Library I
Adenosine Kinase		•		
Akt	•		•	•
AMPK		•		•
ATM		•		•
ATR		•		•
Aurora	•	•	•	•
Bcr-Abl	•			•
CaMK		•	•	•
Cdks		•	•	•
cFMS	•			•
Chk1,2		•	•	•
CK1,2		•	•	•
c-Met	•			•
DAG	•		•	•
DNA-PK	•		•	•
eEF2				
EGFR	•		•	•
ERK		•		•
Flt3	•		•	•
GSK-3		•		•
IGFR	•		•	•
IKK		•	•	•
IP3K			•	
IRAK	•			•
JAK	•			•
JNK		•		•
Lck	•			•
MAPK		•	•	•
MEK		•	•	•
MLCK			•	
MNK1		•		•
p70 S6	•			•
P90 S6			•	
PAK			•	
PDGFR	•			•
PDK1	•			•
PI 3-K	•		•	•
PIKFyye			•	
PIM			•	
PKA			•	
PKC	•		•	•
PKG			•	
PKR	•		•	•
PLK			•	
Rho	•		•	•
RIP			•	
SK		•		•
Src	•	•		•
Syk	•			•
TGF-βR	•			•
Tpl2			•	
VEGFR	•		•	•
Wee1			•	
Unit Price ₹	369180	369180	369180	553830

Protease Inhibitor Cocktails

Prevent protein degradation by proteases during extraction and purification

Protease Inhibitor Advantages:

- Convenient-Flexible protocol and ready-to-use formulations
- Consistent-High quality ensures reproducibility and excellent inhibition over a wide range of protease classes
- Flexible-Comprehensive selection of specific cocktail formulations designed to inhibit proteolytic activity from most tissue or cell type extracts, including mammalian, bacterial, yeast, fungal, and plant cells
- Application-Specific-Available without EDTA for purification schemes involving metal ion chelation
- Chromatography or analysis using 2-D gel electrophoresis. New protease inhibitor cocktail formulations include recombinant aprotinin for applications that require the use of animal-free reagents

Cat. No.	Product Description	Application	Components	List Price ₹
539131-1VLCN	Protease Inhibitor Cocktail Set I (1 vial)	A cocktail containing five protease inhibitors that will inhibit a broad range of proteases.	AEBSF, Hydrochloride, Aprotinin, Bovine Lung, E-64 Protease Inhibitor, EDTA, Disodium, Leupeptin, Hemisulfate	5810
539131-10VLCN	Protease Inhibitor Cocktail Set I (10 vials)			31890
535142-1SETCN	Protease Inhibitor Cocktail I, Animal-Free(1set)	This animal-free formulation includes the same five protease inhibitors as the original version, but substitutes Aprotinin, Bovine Lung with a recombinant Aprotinin.	AEBSF, Hydrochloride, Aprotinin, Recombinant, E-64 Protease Inhibitor, EDTA, Disodium, Leupeptin, Hemisulfate	30490
535142-1MLCN	Protease Inhibitor Cocktail I, Animal-Free(1ml)			4800
539132-1SETCN	Protease Inhibitor Cocktail Set II (1 Set)	This cocktail is recommended for use with bacterial cell extracts (except those intended for metal chelation chromatography). Cocktail contains five protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, serine, and metalloproteases as well as aminopeptidases.	AEBSF, Hydrochloride, Bestatin E-64, Protease Inhibitor, EDTA, Disodium, Pepstatin A	11940
539132-5SETCN	Protease Inhibitor Cocktail Set II (5 Set)			45270
539134-1MLCN	Protease Inhibitor Cocktail Set III, EDTA-Free (1 ml)	This cocktail is recommended for use with mammalian cells and tissue extracts and for bacterial cell extracts being used for metal chelation chromatography. For the inhibition of aspartic, cysteine, and serine proteases as well as aminopeptidases.	AEBSF, Hydrochloride, Aprotinin, Recombinant, Bestatin, E-64 Protease Inhibitor, Leupeptin, Hemisulfate, Pepstatin A	9360
539134-1SETCN	Protease Inhibitor Cocktail Set III, EDTA-Free (1 set)			37270
535140-1MLCN	Protease Inhibitor Cocktail Set III, Animal Free (1 ml)	Mammalian cells and tissue extracts and for applications which require the use of animal free reagents	AEBSF, HCl; Aprotinin, Recombinant; Bestatin; E-64 Protease Inhibitor; Leupeptin, Hemisulfate; Pepstatin A	8320
535140-1SETCN	Protease Inhibitor Cocktail Set III, Animal Free (1 set)			38030
539136-1MLCN	Protease Inhibitor Cocktail Set IV (1 ml)	This cocktail is recommended for fungal and yeast cell extracts. For the inhibition of aspartic, cysteine, metallo-, and serine proteases.	AEBSF, Hydrochloride, E-64 Protease Inhibitor, Pepstatin A, o-Phenanthroline	8490
539136-1SETCN	Protease Inhibitor Cocktail Set IV (1 set)			28040

Cat. No.	Product Description	Application	Components	List Price ₹
539137-1MLCN	Protease Inhibitor Cocktail V, EDTA-Free (1 ml)	An EDTA-free cocktail containing four protease inhibitors for the inhibition of serine and cysteine proteases, but not metalloproteases.	AEBSF, Hydrochloride, Aprotinin, Bovine Lung, E-64 Protease Inhibitor, Leupeptin, Hemisulfate	4620
539137-10VLCN	Protease Inhibitor Cocktail V, EDTA-Free (10 vials)			31890
535141-1MLCN	Protease Inhibitor Cocktail V, Ani-Free (1 ml)	This animal-free formulation includes the same four protease inhibitors as the original version, but substitutes Aprotinin, Bovine Lung with a recombinant Aprotinin.	AEBSF, Hydrochloride, Aprotinin, Recombinant, E-64 Protease Inhibitor, Leupeptin, Hemisulfate	8490
535141-1SETCN	Protease Inhibitor Cocktail V, Ani-Free (1 set)			30490
539133-1MLCN	Protease Inhibitor Cocktail Set VI (a ml)	This cocktail is recommended for use with plant cell extracts. For the inhibition of aspartic, cysteine, serine, and metalloproteases as well as aminopeptidases.	AEBSF, Hydrochloride, Bestatin, E-64 Protease Inhibitor, Leupeptin, Hemisulfate, o-Phenanthroline, Pepstatin A	8320
539133-1SETCN	Protease Inhibitor Cocktail Set VI (1 set)			39110
539138-1MLCN	Protease Inhibitor Cocktail Set VII (1 ml)	This cocktail is recommended for purification of proteins containing His•Tag® sequences. For the inhibition of cysteine, serine, aspartic, and thermolysin-like proteases and aminopeptidases.	AEBSF, Hydrochloride, Bestatin, E-64 Protease Inhibitor, Pepstatin A, Phosphoramidon, Disodium Salt	8320
539138-1SETCN	Protease Inhibitor Cocktail Set VII (1 set)			38030
539129-1MLCN	Protease Inhibitor Cocktail Set VIII (1 ml)	A DMSO solution of three protease inhibitors with selective specificity for the inhibition of cysteine proteases, including calpains, cathepsins, and papain.	ALLN, Cathepsin Inhibitor I, E-64 Protease Inhibitor	10800
565000-1VLCN	Serine Protease Inhibitor Cocktail Set I (1 vials)	A cocktail of four protease inhibitors that is useful for the inhibition of a broad range of serine proteases.	AEBSF, Hydrochloride, Aprotinin, Bovine Lung, Elastatinal, GGACK	8490
565000-5VLCN	Serine Protease Inhibitor Cocktail Set I (5 vials)			34190
539128-1SETCN	Protease Inhibitor Set (1 set)	This unique set, consisting of seven different inhibitors, allows you to perform easy, economical screening for a suitable inhibitor for your application.	AEBSF, HCl, E-64 Protease Inhibitor, EST, Leupeptin, Hemisulfate, Pepstatin A, TLCK, HCl, TPCK	39110
539195-1SETCN	Protease Inhibitor Cocktail Set IX (1 set)	A cocktail of six protease inhibitors for the inhibition of a broad range of proteases and esterases. This protease inhibitor cocktail is not suitable for use with 2-D gel sample preparation or purification of proteins using immobilized metal affinity chromatography (IMAC).	AEBSF, HCl, Leupeptin Hemisulfate, Benzamidine, HCl, EDTA, Disodium, E-64, Aprotinin	23980
539196-1SETCN	Protease Inhibitor Cocktail Set X, EDTA-Free (1 set)	A cocktail of five protease inhibitors for the inhibition of a broad range of proteases, but not metalloproteases. This cocktail is recommended for use with bacterial cells, animal tissues and plant extracts.	AEBSF, HCl, Leupeptin Hemisulfate, Benzamidine, HCl, E-64, Aprotinin	27800

Phosphatase Inhibitor Cocktails

Prevent protein dephosphorylation for cell signaling studies

It is critical to preserve the phosphorylation state of proteins of interest during their extraction from cell and tissue lysates. To effect cell signaling, target proteins are phosphorylated by protein kinases that transfer a phosphate group to specific sites, typically at serine, threonine, or tyrosine residues. These phosphate groups can be removed by protein phosphatases, restoring the protein to its original dephosphorylated state. Using phosphatase inhibitors help reveal the signaling status inside a cell at a specified timepoint. Merck Millipore offers four different Phosphatase Inhibitor cocktails and a PhosphoSafe™ Extraction Reagent that help protect phosphoproteins from different families of phosphatases.

524624-1SETCN	Phosphatase Inhibitor Cocktail Set I (1 set)	A cocktail of three inhibitors that will inhibit alkaline phosphatases as well as serine/threonine protein phosphatases such as PP1 and PP2A. Not available for sale outside of the United States.	(-) -p-Bromotetramisole oxalate, Cantharidin, Microcystin LR, Microcystis aeruginosa	34380
524625-1SETCN	Phosphatase Inhibitor Cocktail Set II (1 set)	A cocktail of five phosphatase inhibitors for the inhibition of acid and alkaline phosphatases as well as protein tyrosine phosphatases (PTPs). Suitable for use with tissue and cell extracts, including extracts containing detergents.	Imidazole, Sodium Fluoride, Sodium Molybdate, Sodium Orthovanadate, Sodium Tartrate, Dihydrate	31890
524627-1MLCN	Phosphatase Inhibitor Cocktail Set III (1 ml)	A cocktail of four phosphatase inhibitors for broad-spectrum inhibition of both serine/threonine and protein tyrosine phosphatases.	Sodium Fluoride, Sodium Orthovanadate, Sodium Pyrophosphate, decahydrate β -Glycerophosphate	18340
524627-1SETCN	Phosphatase Inhibitor Cocktail Set III (1 set)			56500
524628-1MLCN	Phosphatase Inhibitor Cocktail Set IV (1 ml)	A cocktail of three phosphatase inhibitors for the inhibition of both serine/threonine and alkaline phosphatases.	(-) -p-Bromotetramisole oxalate, Cantharidin Calyculin A, Discodermia calyx	10960
524628-1SETCN	Phosphatase Inhibitor Cocktail Set IV (1 set)			41580
524629-1MLCN	Phosphatase Inhibitor Cocktail Set V, 50X (1 ml)	A cocktail of four phosphatase inhibitors for the inhibition of both serine/threonine and protein tyrosine phosphatases. Available as 1 ml or as a set of five 1 ml vials.	Sodium Fluoride, Sodium Orthovanadate, Sodium Pyrophosphate, decahydrate β -Glycerophosphate	18190
524629-1SETCN	Phosphatase Inhibitor Cocktail Set V, 50X (1 set)			56500
524636-1SETCN	Phosphatase Inhibitor Cocktail Set II, Lyophilized (1 set)	A cocktail of five phosphatase inhibitors for the inhibition of acid and alkaline phosphatases as well as protein tyrosine phosphatases (PTPs). Suitable for use with cell lysates and tissue extracts, including samples containing detergents.	Imidazole, Sodium Fluoride, Sodium Molybdate, activated Sodium Orthovanadate, Sodium Tartrate Dihydrate	32810
524631-1MLCN	Phosphatase Inhibitor Cocktail Set III, Lyophilized (1 ml)	A cocktail of four phosphatase inhibitors for broad-spectrum inhibition of acid, alkaline, serine/threonine and protein tyrosine phosphatases.	Sodium Fluoride, β -Glycerophosphate, Sodium Pyrophosphate, activated Sodium Orthovanadate.	17960
524631-1SETCN	Phosphatase Inhibitor Cocktail Set III, Lyophilized (1 set)			58660
524632-1MLCN	Phosphatase Inhibitor Cocktail Set V, 50X, Lyophilized (1 set)	A cocktail of four phosphatase inhibitors for broad-spectrum inhibition of acid, alkaline, serine/threonine and protein tyrosine phosphatases.	Sodium Fluoride, β -Glycerophosphate, Sodium Pyrophosphate Decahydrate, Sodium Orthovanadate.	19260
524632-1SETCN	Phosphatase Inhibitor Cocktail Set V, 50X, Lyophilized (1 ml)			59580
524633-1MLCN	Phosphatase Inhibitor Cocktail Set IV, Lyophilized (1 ml)	A cocktail of three phosphatase inhibitors for the inhibition of both serine/threonine and alkaline phosphatases.	Cantharidin, (-)-p-Bromotetramisole oxalate, Calyculin A, Discodermia calyx	10960

InhibitorSelect™ Signaling Pathway Panels

Merck Millipore has several Signaling Pathway Panels that contain a collection of carefully selected, cell permeable, and potent small molecules in convenient formats. These panels allow the researcher to zero in on their pathway of interest and gain useful information by manipulating specific proteins or families.

Following are the ten Signaling pathway panels:

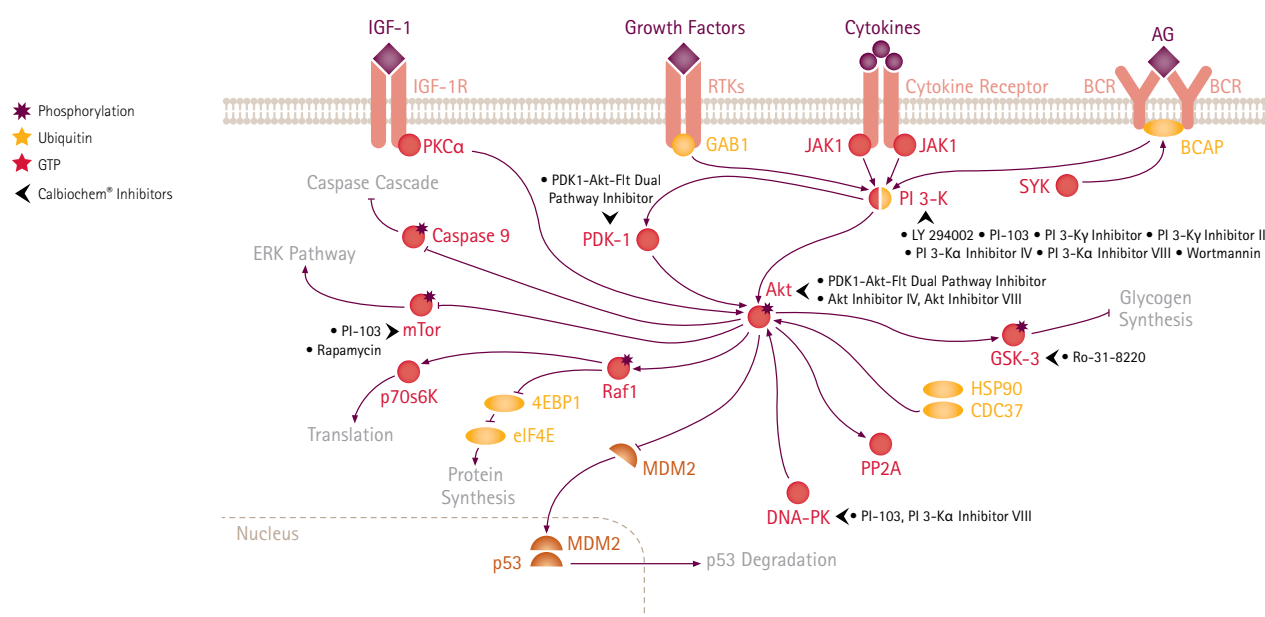
1. PI 3-K/Akt/mTOR
2. EGFR
3. JAK/STAT
4. NF- κ B
5. MAP Kinase
6. VEGF
7. Wnt
8. IGF
9. FGF
10. Hedgehog



Visit www.merck4biosciences.com/inhibitorselect to learn more about signaling pathway panels.

1. InhibitorSelect™ PI 3-K/Akt/mTOR Signaling Pathway Inhibitor Panel (Catalogue No. 124031-1EACN)

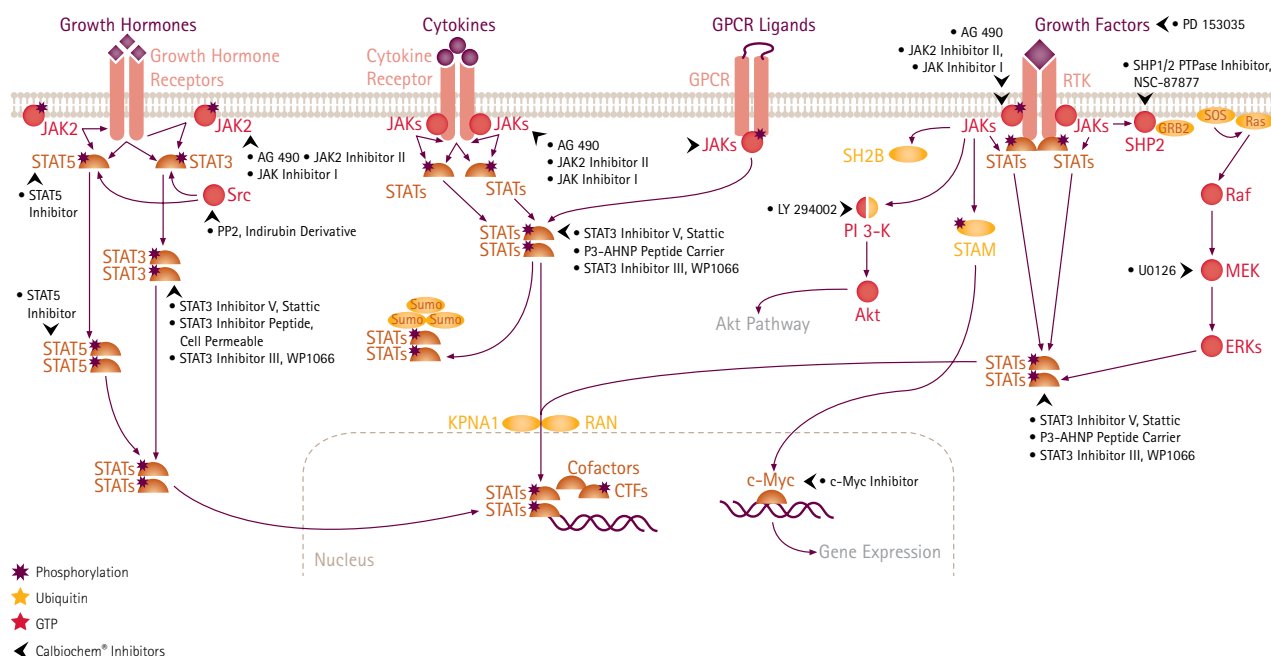
Activation of the PI 3-kinase/Akt/mTOR pathway stimulates cell proliferation and the translation process in response to nutrients and growth factors. Dysregulation of this pathway can lead to a variety of human tumors. Over 30% of solid tumors are reported to contain mutations in the catalytic unit of their PI 3-K, resulting in increased enzymatic activity, cell proliferation, cell invasion, and metastasis. The InhibitorSelect™ PI 3-K/Akt/mTOR Signaling Pathway Inhibitor Panel enables multiparameter analysis, assessment of signal amplification/feedback, and comparison of biological effects of perturbing different parts of the pathway.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
124011-1MGCN	Akt Inhibitor IV	Akt	1 mg	13420
124018-1MGCN	Akt Inhibitor VIII, Isozyme-Selective, Akti-1/2	Akt1, Akt2	1 mg	20800
440202-5MGCN	LY 294002	PI 3-K	5 mg	17110
440203-1MGCN	LY 303511	Negative control for LY 294002	1 mg	14650
521275-5MGCN	PDK1/Akt/Flt Dual Pathway Inhibitor	Akt, Flt, PDK1	5 mg	32960
528100-1MGCN	PI-103	DNA-PK, PI 3-K, mTOR	1 mg	13420
528106-5MGCN	PI 3-Kγ Inhibitor	PI 3-Kγ	5 mg	22950
528108-5MGCN	PI 3-Kγ Inhibitor II	PI 3-Kγ	5 mg	21730
528111-5MGCN	PI 3-Kα Inhibitor IV	PI 3-Kα + β	5 mg	26650
528116-5MGCN	PI 3-Kα Inhibitor VIII	DNA-Pk, PI 3-Kα	5 mg	26650
553210-100UGCN	Rapamycin	mTOR, p70 S6	100 ug	4800
557520-500UGCN	Ro-31-8220	PKC	500 ug	12180
681675-1MGCN	Wortmannin	PI 3-K Irreversible	1 mg	9530
KP31817-15ML	DMSO	—	15 mL	POR
124031-1EACN	InhibitorSelect™ PI 3-K/Akt/mTOR Signaling Pathway Inhibitor Panel		1 EA	126200

2. InhibitorSelect™ EGFR Signaling Pathway Inhibitor Panel (Catalogue No. 324839-1EACN)

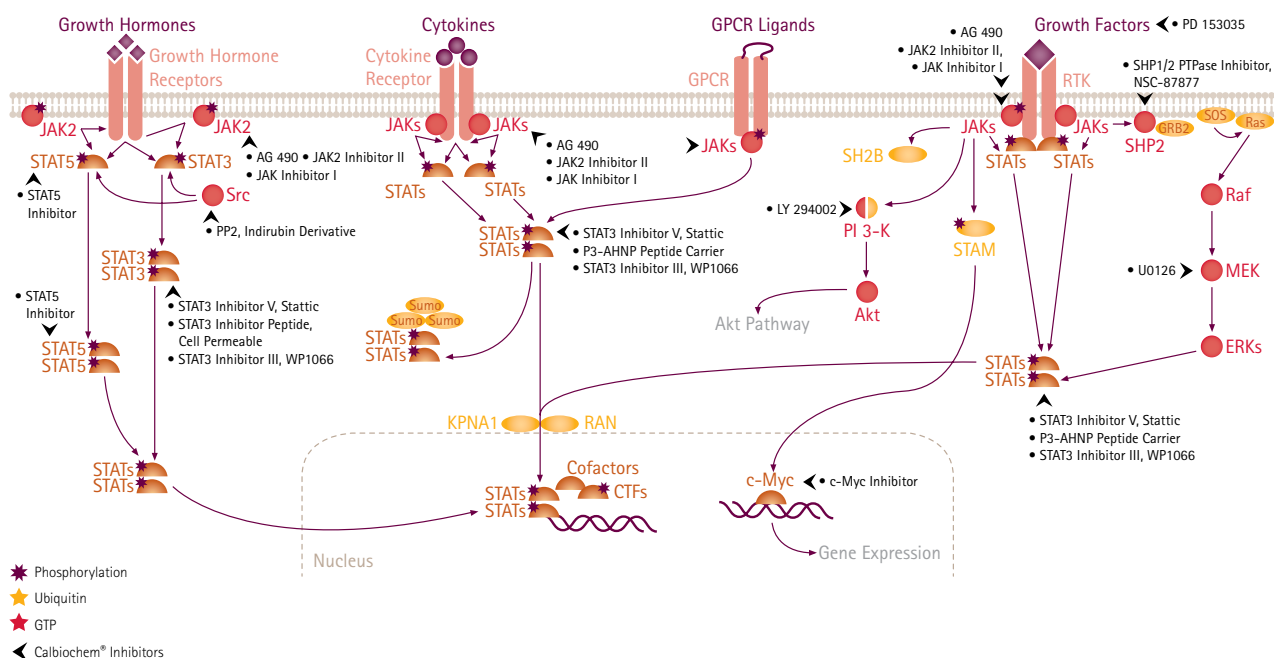
The epidermal growth factor receptor (EGFR) is a transmembrane receptor tyrosine kinase involved in cell proliferation, growth, migration, invasion, and survival. EGFR is overexpressed in a vast majority of human epithelial tumors and constitutes an attractive target for the development of novel anticancer agents. EGFR is a receptor that integrates so many diverse signals and has so many different outputs, that only by using a panel of small molecules, like the InhibitorSelect™ EGFR Signaling Pathway Inhibitor Panel, can you truly understand the phenotypic impact of perturbing EGF signaling in a given cellular environment.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
124018-1MGCN	Akt Inhibitor VIII, Isozyme-Selective, Akti-1/2	Akt1, Akt2	1 mg	20800
234490-1MGCN	PD 153035	EGFR	1 mg	12180
324674-1MGCN	EGFR Inhibitor	EGFR, EGFR Mutants	1 mg	12180
341207-5MGCN	Et-18-OCH3	PI-PLC	5 mg	10960
420119-5MGCN	JNK Inhibitor II	JNK	5 mg	8320
440202-5MGCN	LY 294002	PI 3-K	5 mg	17110
513000-5MGCN	PD 98059	MEK	5 mg	11940
513033-1MGCN	PD 168393	EGFR Irreversible	1 mg	15870
529573-1MGCN	PP2	Src Family	1 mg	12180
553210-100UGCN	Rapamycin	mTOR, p70 S6	100 ug	4800
559389-1MGCN	SB 203580 p38	MAPK	1 mg	13150
658401-5MGCN	AG 490	JAK2, EGFR	5 mg	6030
692000-1MGCN	ZM 336372	c-Raf	1 mg	18340
KP31817-MLCN	DMSO	—	15 mL	POR
324839-1EACN	InhibitorSelect™ EGFR Signaling Pathway Inhibitor Panel		1EA	126200

3. InhibitorSelect™ JAK/STAT Signaling Pathway Inhibitor Panel (Catalogue No. 420138-1EACN)

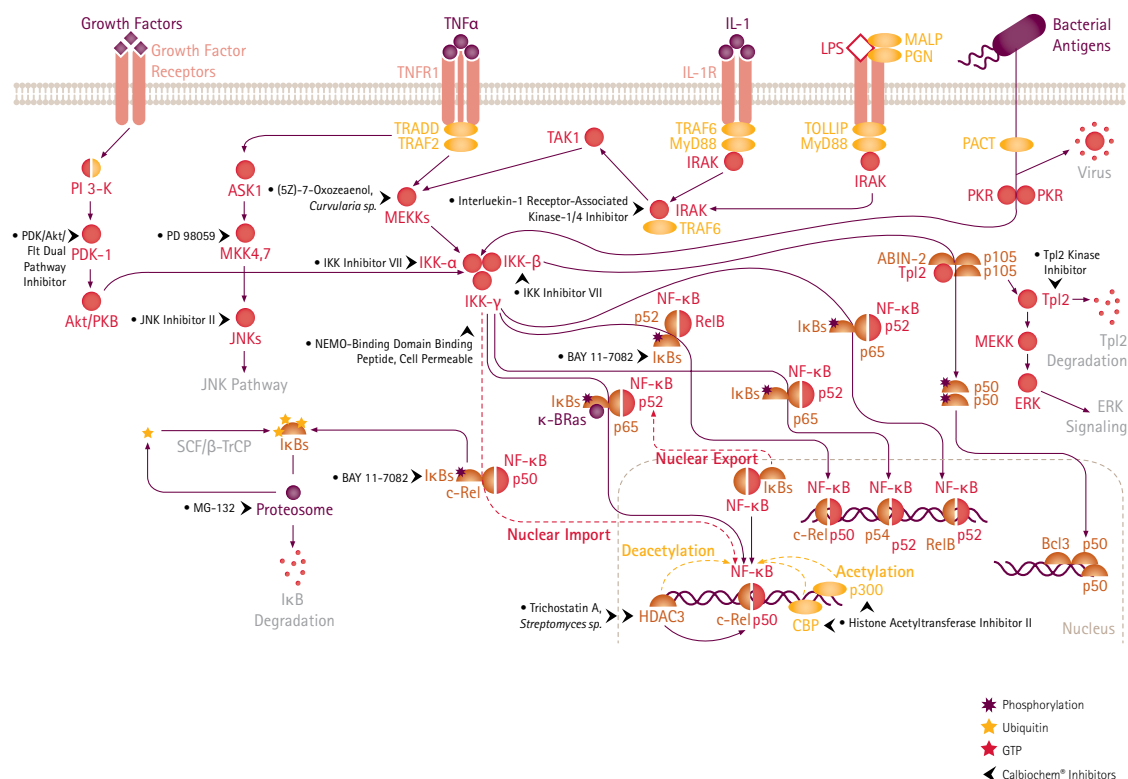
The Janus kinase (JAK) signal transducers and activators of transcription (STAT) play an important role in cell proliferation, cell differentiation, cell migration, and cell death. The JAK/STAT signaling pathway is the principal signaling mechanism for a variety of cytokines and growth factors. Constitutive activation or dysregulation of JAK/STAT signaling can result in inflammatory disease, erythrocytosis, gigantism, and leukemia. Because many types of stimuli can activate JAK/STAT signaling, probing cells with several different combinations of JAK and STAT inhibitors, such as those included in the InhibitorSelect™ JAK/STAT Signaling Pathway Inhibitor Panel, is the key to identifying the precise pathway used to transduce the signal of interest.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
234490-1MGCN	PD 153035	legfr	1 mg	12180
402081-1MGCN	Indirubin Derivative E804	Src, Cdk1/cyclin E, Cdk2/cyclin A, Cdk1/ cyclin B	1 mg	12180
420099-500UGCN	JAK Inhibitor I	JAK1, JAK2, JAK3, Tyk2	500 ug	13150
420132-25MGCN	JAK2 Inhibitor II	JAK2	25 mg	13420
440202-5MGCN	LY 294002	PI 3-K	5 mg	17110
529573-1MGCN	PP2	Src	1 mg	12180
565851-50MGCN	SHP1/2 PTPase Inhibitor, NSC-87877	SHP1, SHP2	50 mg	11940
573096-1MGCN	STAT3 Inhibitor Peptide, Cell Permeable	STAT3	1 mg	20800
573097-10MGCN	STAT3 Inhibitor III, WP1066	STAT3	10 mg	16670
573099-25MGCN	STAT3 Inhibitor V, Stattic	STAT3	25 mg	21590
573108-10MGCN	STAT5 Inhibitor	STAT5	10 mg	12180
658401-5MGCN	AG 490	JAK2	5 mg	6030
662005-1MGCN	U0126	MEK1, MEK2	1 mg	8320
KP31817-15MGCN	DMSO	—	15 ml	POR
420138-1EACN	InhibitorSelect™ JAK/STAT Signaling Pathway Inhibitor Panel			120050

4. InhibitorSelect™ NF-κB Signaling Pathway Inhibitor Panel (Catalogue No. 481487-1EACN)

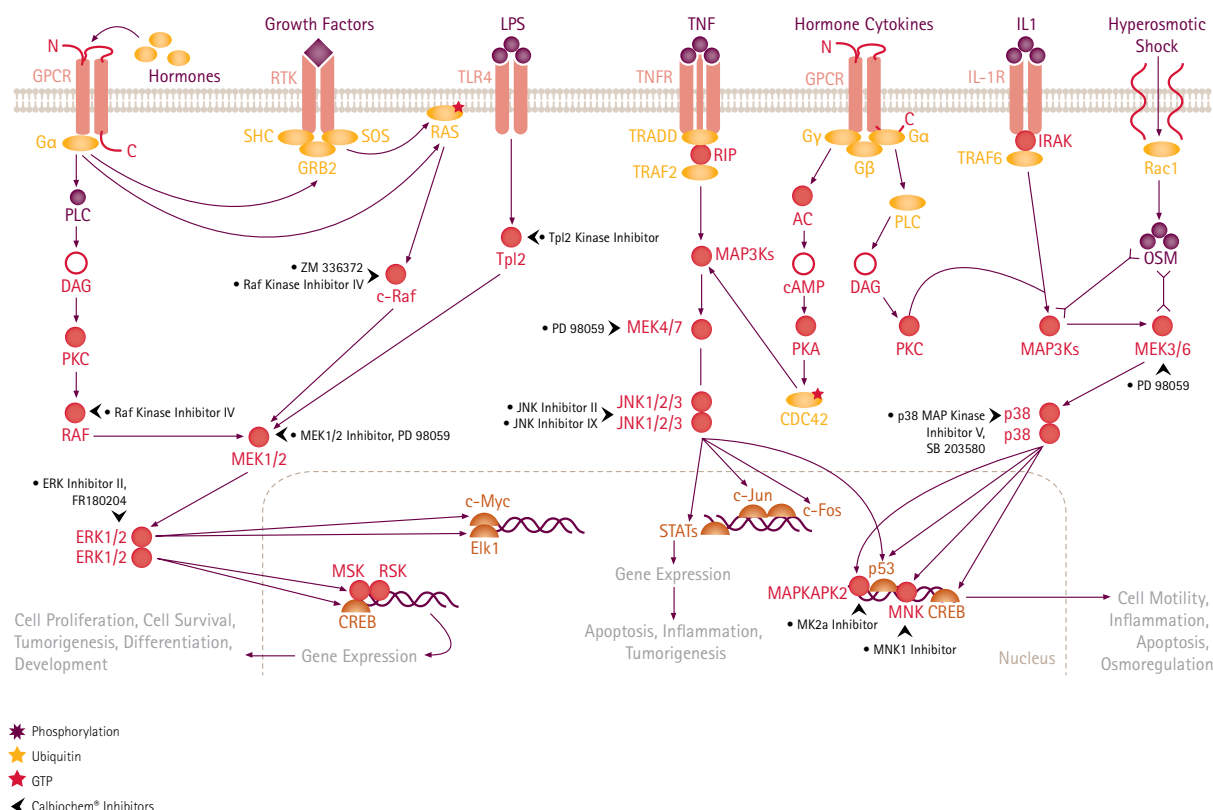
The eukaryotic nuclear factor κB (NF-κB) plays an important role in inflammation, autoimmune response, cell proliferation, and apoptosis by regulating the expression of genes involved in these processes. The Rel/NF-κB signal transduction pathway is mis-regulated in a variety of human cancers, especially those of lymphoid cell origin. Designing antitumor agents to block NF-κB activity or to increase their sensitivity to conventional chemotherapy may have great therapeutic value. Basing such target validation studies on a set of structurally diverse molecules such as in the InhibitorSelect™ NF-κB Signaling Pathway Inhibitor Panel can provide a powerful starting point for drug discovery.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
196870-10MGCN	BAY 11-7082	IκBα	10 mg	9730
401486-1MGCN	IKK Inhibitor VII	IKK	1 mg	17110
407601-5MGCN	IRAK 1/4 Inhibitor	IRAK1, IRAK4	5 mg	12180
382110-10MGCN	Histone Acetyltransferase Inhibitor II	p300/CBP Histone Acetyltransferase	10 mg	24430
647925-1MGCN	Trichostatin A, Streptomyces sp.	Histone Deacetylase	1 mg	23270
474790-1MGCN	MG-132	Proteasome	1 mg	4700
480025-500UGCN	NEMO Binding Domain Peptide, Cell-Permeable	NEMO/IKK (IκB)-kinase complex	500 ug	23270
481480-500UGCN	NF-κB SN50	NF-κB nuclear translocation	500 ug	20380
513000-5MGCN	PD 98059	MEK	5 mg	11940
521275-5MGCN	PDK1/Akt-Flt Dual Pathway Inhibitor	Akt, PDK1, Flt	5 mg	32960
613570-1MGCN	TIRAP Inhibitor Peptide	NF-κB, PKR, JNK	1 mg	30490
616373-1MGCN	Tpl2 Kinase Inhibitor	Tp12 Kinase	1 mg	17110
499610-1MGCN	(5Z)-7-Oxozeaenol, Curvularia sp.	TAK1, MEK1, MEKK1, ASK1	1 mg	12180
420119-5MGCN	JNK Inhibitor II	JNK1	5 mg	8320
KP31817-15MLCN	DMSO	—	15 mL	POR
481487-1EACN	InhibitorSelect™ NF-κB Signaling Pathway Inhibitor Panel		1EA	153750

5. InhibitorSelect™ MAP Kinase Signaling Pathway Inhibitor Panel (Catalogue No. 444189)

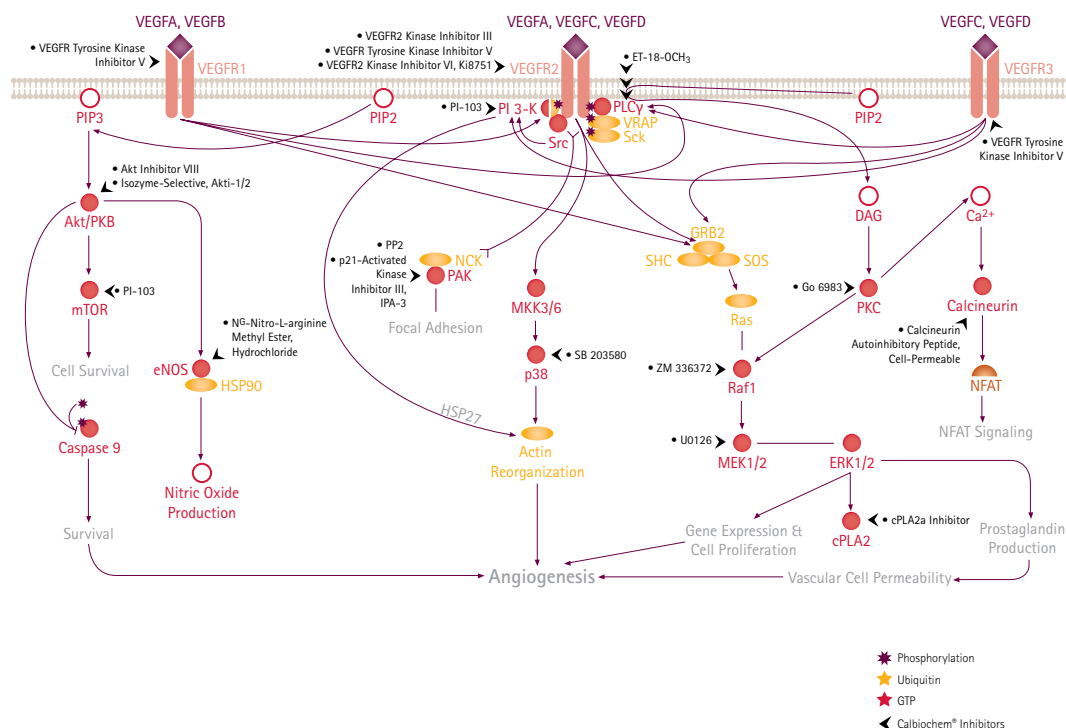
The mitogen-activated protein (MAP) kinases are a group of evolutionarily conserved protein serine/threonine kinases that are activated in response to a variety of extracellular stimuli. Together with several other signaling pathways they can differentially alter the phosphorylation status of various transcription factors. A controlled regulation of these cascades is involved in cell proliferation and differentiation, whereas an unregulated activation of these MAP kinases can result in oncogenesis. The InhibitorSelect™ MAP Kinase Signaling Pathway Inhibitor Panel can help deconvolute the roles of particular pathway proteins more rapidly than using individual MAP kinase pathway inhibitors one at a time.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
328007-1MGCN	ERK Inhibitor II, FR180204	ERK1, ERK2	1 mg	20800
420119-5MGCN	JNK Inhibitor II	JNK	5 mg	8320
420136-5MGCN	JNK Inhibitor IX	JNK2, JNK3	5 mg	19580
444939-1MGCN	MEK1/2 Inhibitor	MEK1/2	1 mg	13260
454861-5MGCN	MNK1 Inhibitor	MNK1	5 mg	24490
475863-5MGCN	MK2a Inhibitor	MK2a	5 mg	24350
506156-1MGCN	p38 MAP Kinase Inhibitor V	p38, CK1	1 mg	22950
513000-5MGCN	PD 98059	MEK	5 mg	11940
553014-1MGCN	Raf Kinase Inhibitor IV	B-Raf	1 mg	15870
559389-1MGCN	SB 203580 p38	MAPK	1 mg	13150
616373-1MGCN	Tpl2 Kinase Inhibitor	Tpl2 Kinase	1 mg	17110
692000-1MGCN	ZM 336372	c-Raf	1 mg	18340
KP31817-15MGCN	DMSO	—	15 mL	POR
444189-1EACN	InhibitorSelect™ MAP Kinase Signaling Pathway Inhibitor Panel		1EA	151910

6. InhibitorSelect™ VEGF Signaling Pathway Inhibitor Panel (Catalogue No. 676502-1EACN)

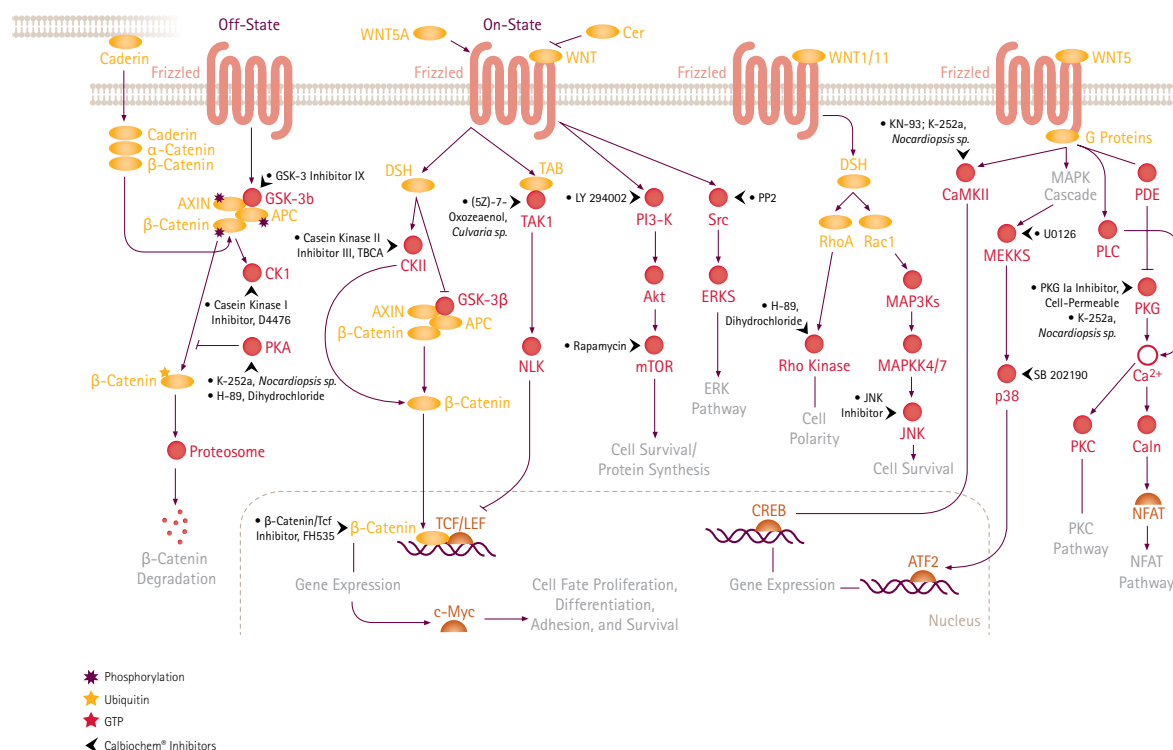
Vascular endothelial growth factor (VEGF) family of proteins have been implicated in the development, maintenance, and remodeling of vasculature and other physiological processes such as endothelial cell growth, monocyte migration, tumorigenesis, lymphangiogenesis, and the paracrine release of growth factors from endothelial cells. Mis-regulation within the VEGF family has been implicated in a variety of other human diseases, including metastasis, hyperthyroidism, atherosclerosis, and inflammatory diseases, such as rheumatoid arthritis and psoriasis. The InhibitorSelect™ VEGF Signaling Pathway Inhibitor Panel enables simultaneous, dynamic study of multiple signaling pathways activated by VEGF.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
124018-1MGCN	Akt Inhibitor VIII, Isozyme-Selective, Akti-1/2	Akt1/2	1 mg	20800
207001-1MGCN	Calcineurin Autoinhibitory Peptide, Cell-permeable	CalAI Pep	1 mg	23270
525143-500UGCN	cPLA2a Inhibitor	cPLA2	500 ug	24490
341207-5MGCN	ET-18-OCH3	PLC	5 mg	10960
365251-500UGCN	Go 6983	PKC isozymes	500 ug	13420
483125-100MGCN	NG-Nitro-L-arginine Methyl Ester, Hydrochloride	eNOS	100 mg	4800
506106-5MGCN	p21-Activated Kinase Inhibitor III, IPA-3	PAK	5 mg	10960
528100-1MGCN	PI-103	PI 3K, mTOR	1 mg	13420
529573-1MGCN	PP2	Src family, PAK	1 mg	12180
559389-1MGCN	SB 203580	p38 MAPK	1 mg	13150
662005-1MGCN	U0126	MEK1/2	1 mg	8320
676501-5MGCN	VEGFR Tyrosine Kinase Inhibitor V	VEGFR1/2/3	5 mg	24190
676487-1MGCN	VEGFR2 Kinase Inhibitor III	VEGFR2 non selective	1 mg	15870
676484-5MGCN	VEGFR2 Kinase Inhibitor VI, Ki8751	VEGFR2	5 mg	24350
692000-1MGCN	ZM 336372	c-Raf	1 mg	18340
KP31817-15MLCN	DMSO	—	15 mL	POR
676502-1EACN	InhibitorSelect™ VEGF Signaling Pathway Inhibitor Panel		1EA	158060

7. InhibitorSelect™ Wnt Signaling Pathway Inhibitor Panel (Catalogue No. 681666-1EACN)

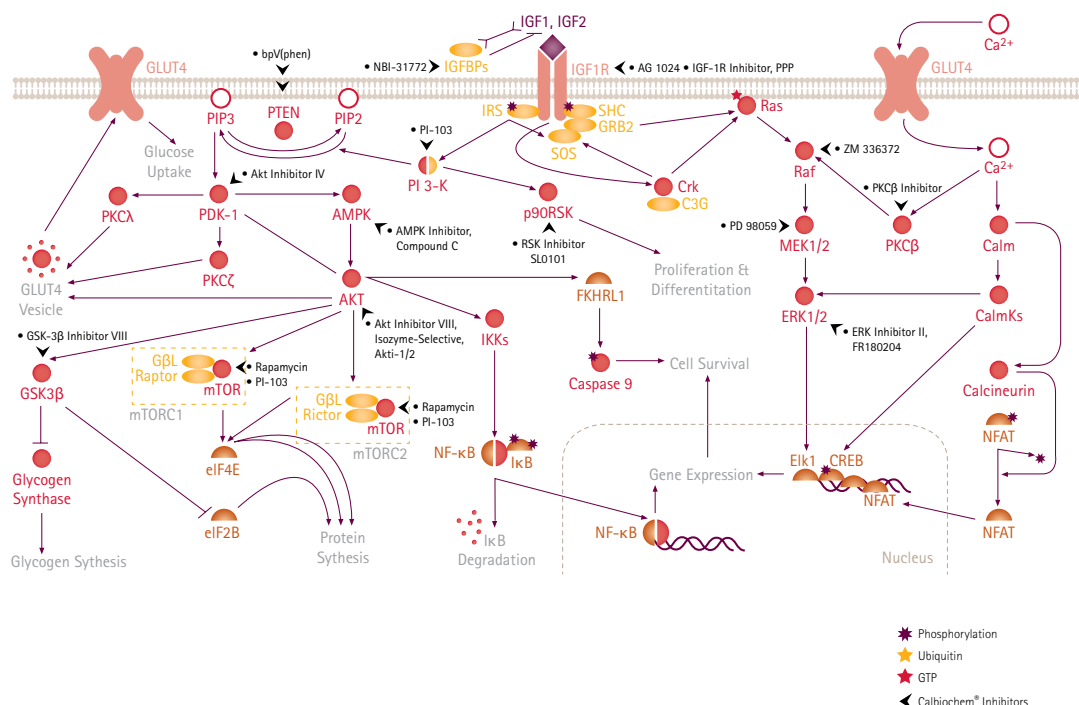
The Wnt signaling pathway is an evolutionarily-conserved pathway involved in fate specification, development, cell proliferation, cell migration, and polarity, and migration of cells. Wnt genes encode a large family of secreted, cysteine-rich proteins that are also important in development and in maintenance of adult tissues. Abnormalities in Wnt signaling are reported to promote both human degenerative diseases and cancer. Like many developmental pathways, Wnt signaling has a great deal of built-in redundancy; therefore, studying it requires a panel of small molecules, such as the InhibitorSelect™ Wnt Signaling Pathway Inhibitor Panel for accurate, complete perturbation.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
218696-1MGCN	Casein Kinase I Inhibitor, D4476	Casein Kinase I	1 mg	17110
218710-5MGCN	Casein Kinase II Inhibitor III, TBCA	Casein Kinase II	5 mg	15870
219330-10MGCN	β-Catenin/Tcf Inhibitor, FH535	p-Catenin, Tcf	10 mg	10740
361550-1MGCN	GSK-3 Inhibitor IX	GSK-3	1 mg	12180
370655-1MGCN	PKG Ia Inhibitor, Cell-Permeable	PKG	1 mg	14650
371963-1MGCN	H-89, Dihydrochloride	PKA, Rho Kinase	1 mg	12180
420119-5MGCN	JNK Inhibitor II	JNK	5 mg	8320
420298-100UGCN	K-252a, Nocardiopsis sp.	Multiple	100 ug	19580
422708-1MGCN	KN-93	CaMK	1 mg	14650
440202-5MGCN	LY 294002	PI 3-Kinase	5 mg	17110
499610-1MGCN	(5Z)-7-Oxozaenol, Curvularia sp.	TAK 1	1 mg	12180
529573-1MGCN	PP2	Src Family	1 mg	12180
553210-100UGCN	Rapamycin	mTOR	100 ug	4800
559388-1MGCN	SB 202190	p38	1 mg	12180
662005-1MGCN	U0126	MEK	1 mg	8320
KP31817-15MLCN	DMSO	—	15 mL	POR
681666-1EACN	InhibitorSelect™ Wnt Signaling Pathway Inhibitor Panel		1EA	151910

8. InhibitorSelect™ IGF Signaling Pathway Inhibitor Panel (Catalogue No. 407249-1EACN)

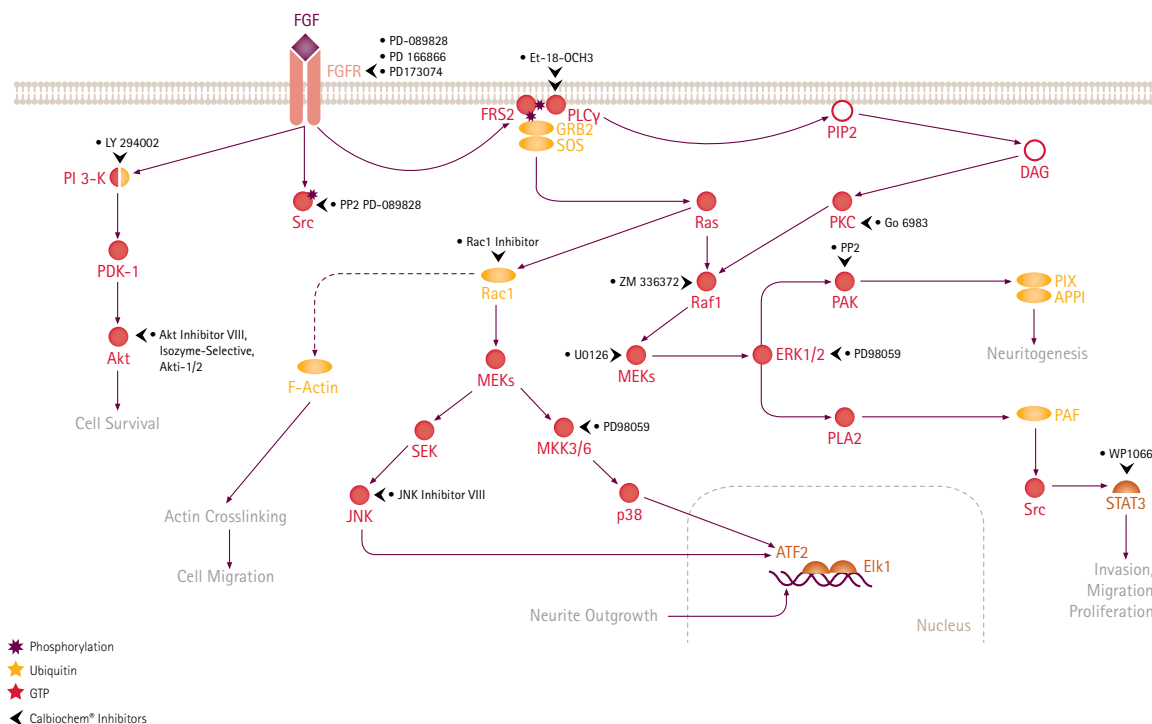
The IGF receptors serve as primary mediators of endocrine as well as autocrine and paracrine actions that promote cell proliferation, survival and differentiation in pre- and post-natal development. These receptors contribute to mammary epithelial stem cell maintenance and renewal, progenitor cell expansion, and motility among neuroblastoma cancer cell lines. Misregulation of receptor and ligand expression and their cross interaction has been associated with several types of cancer. Using a panel of inhibitors, such as the InhibitorSelect™ IGF Signaling Pathway Inhibitor Panel can accelerate studies of IGF signaling by decoupling, for example, receptor binding events from downstream signaling.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
121767-1MGCN	AG 1024	IGF-1R	1 mg	9730
124011-1MGCN	Akt Inhibitor IV	PDK-1	1 mg	13420
124018-1MGCN	Akt Inhibitor VIII, Isozyme selective, Akti-1/2	Akt1/2	1 mg	20800
171260-1MGCN	AMPK Inhibitor, Compound C	AMPK	1mg	10960
203695-10MGCN	bpV(phen)	PTEN	10 mg	19580
328007-1MGCN	ERK Inhibitor II, FR180204	ERK1/2	1 mg	20800
361549-5MGCN	GSK-3β Inhibitor VIII	GSK 3β	5 mg	12180
407247-1MGCN	IGF-1R Inhibitor, PPP	IGF-1R	1 mg	13420
479830-5MGCN	NBI-31772	IGFBPs	5 mg	15730
513000-5MGCN	PD 98059	MEK	5 mg	11940
528100-1MGCN	PI-103	PI 3-K, mTORC1/2	1 mg	13420
539654-500UGCN	PKCβ Inhibitor	PKCβ	500 ug	18340
553210-100UGCN	Rapamycin	mTOR	100 ug	4800
559285-1MGCN	RSK Inhibitor, SL0101	P90RSK	1 mg	28040
692000-1MGCN	ZM 336372	c-Raf	1 mg	18340
KP31817-15MLCN	DMSO	—	15 mL	POR
407249-1EACN	InhibitorSelect™ IGF Signaling Pathway Inhibitor Panel		1EA	144670

9. InhibitorSelect™ FGF Signaling Pathway Inhibitor Panel (Catalogue No. 341612-1EACN)

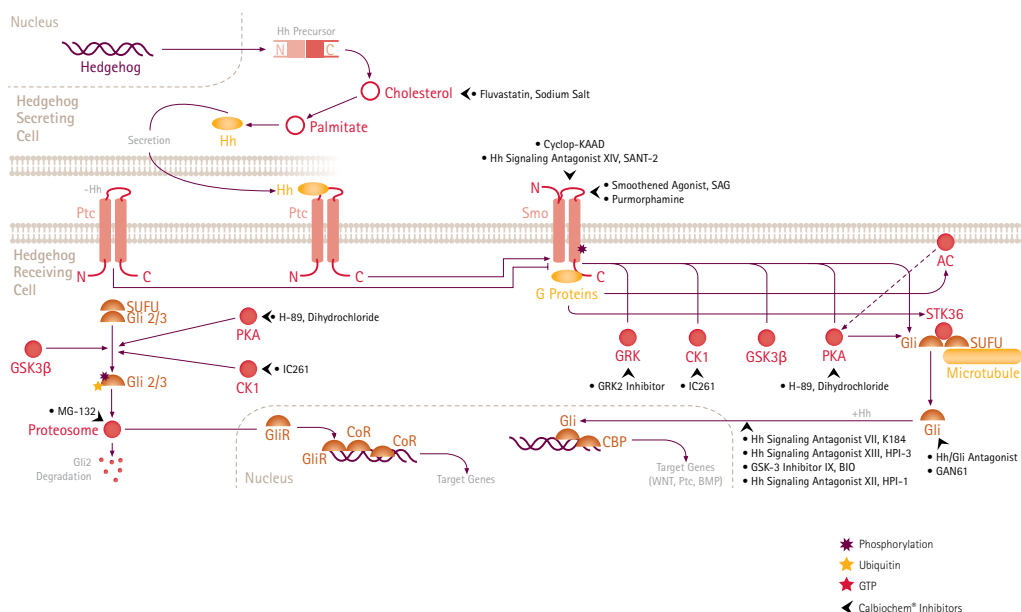
Fibroblast Growth Factors (FGF) are heparin-binding proteins, which interact with cell-surface associated heparin sulfate proteoglycans to produce a wide array of cellular and physiological effects, such as angiogenesis, wound healing, and embryonic and neural development. Mis-regulation of FGF signaling has been closely associated with various human diseases, such as Michel aplasia, neoplasia, Parkinson disease, Pheiffer syndrome and hereditary spinocerebellar ataxias. The InhibitorSelect™ FGF Signaling Pathway Inhibitor Panel provides a means to simultaneously assess the effects of FGF signaling on diverse biological processes.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
124018-1MGCN	Akt Inhibitor VIII, Isozyme-Selective, Akti-1/2	Akt 1/2	1 mg	20800
324841-2MGCN	EGF/FGF/PDGF Receptor Tyrosine Kinase Inhibitor	FGFR-1, PDGFR-β, c-Src, and EGFR	2 mg	16810
341207-5MGCN	ET-18-OCH3	PLC	5 mg	10960
341607-5MGCN	FGF/VEGF Receptor Tyrosine Kinase Inhibitor, PD173074	FGFR > VEGFR	5 mg	37890
341608-5MGCN	FGF Receptor Tyrosine Kinase Inhibitor	fgfr	5 mg	18190
365251-500UGCN	Go 6983	PKC	500 ug	13420
420135-5MGCN	JNK Inhibitor VIII	JNK 1, 2, 3	5 mg	22030
440202-5MGCN	LY 294002	PI 3-K	5 mg	17110
513000-5MGCN	PD 98059	MEK/ERK	5 mg	11940
529573-1MGCN	PP2	PAK	1 mg	12180
553502-5MGCN	Rac 1 Inhibitor	Rac1	5 mg	34340
573097-10MGCN	STAT3 Inhibitor III, WP1066	STAT3	10 mg	16670
662005-1MGCN	U0126	MEK1/2	1 mg	8320
692000-1MGCN	ZM 336372	c-Raf	1 mg	18340
KP31817-15MLCN	DMSO	—	15 mL	POR
341612-1EACN	InhibitorSelect™ FGF Signaling Pathway Inhibitor Panel		1EA	144670

10. Hedgehog Signaling Pathway Modulators Panel (Catalogue No. 373386-1EACN)

Hedgehog signaling, a key intercellular signaling pathway in differentiation and organogenesis, is conserved from flies to human. Vertebrates express three different hedgehog proteins, of which Sonic hedgehog (Shh) is the best characterized. Shh has been implicated in several embryonic developmental processes. It displays inductive, proliferative, neurotrophic, and neuroprotective properties. Mutations in the Shh pathway can lead to congenital defects and diseases, including cancer. Because Hh signaling involves both intercellular and intracellular signaling, Merck Millipore's Hh Signaling Pathway Modulators Panel provides a convenient way to simultaneously interrogate signal secreting and signal receiving cells in one experiment.



Cat. No.	Product Description	Target	Pack Size	Unit Price ₹
566660-1MGCN	Smoothened Agonist, SAG	Smo agonist; Hh pathway activator	1 mg	28040
239804-100UGCN	Cyclopamine-KAAD	Smo antagonist	100 ug	24350
373273-10MGCN	Hh Signaling Antagonist XIV, SANT-2	Smo antagonist, targets different site than Cyclopamine	10 mg	21730
373401-5MGCN	Hh/Gli Antagonist, GANT61	Gli antagonist	5 mg	19580
361550-1MGCN	GSK-3 Inhibitor IX, BIO	Reduces Gli1-dependent transcriptional activity	1 mg	12180
371963-1MGCN	H-89, Dihydrochloride	PKA Inhibitor; Hh agonist	1 mg	12180
400090-5MGCN	IC261	CK1 Inhibitor (CK1δ and CK1ε; IC ₅₀ = 0.7-1.3 μM and = 0.6-1.4 μM, respectively)	5 mg	17110
182200-5MGCN	GRK2 Inhibitor	Reduces phosphorylation of human Smo	5 mg	14650
474790-5MGCN	MG-132	Proteasomal Inhibitor	5 mg	13150
373385-5MGCN	Hh Signaling Antagonist VII, JK184	Targets Adh7, inhibits Gli-transcription activity, and down-regulates the expressions of Gli1 and Ptc1	5 mg	10960
540220-5MGCN	Purmorphamine	Smo agonist, targets Cyclopamine binding site and upregulates Gli1 and Ptc1	5 mg	20800
344095-25MGCN	Fluvastatin, Sodium Salt	Cholesterol biosynthesis inhibitor	25 mg	25570
373275-10MGCN	Hh Signaling Antagonist XII, HPI-1	Remains effective against Sufu-/- fibroblasts overexpressing Gli1 or Gli2	10 mg	21880
373276-10MGCN	Hh Signaling Antagonist XIII, HPI-3	Ineffective against Sufu-/- fibroblasts overexpressing Gli1 or Gli2	10 mg	15730
KP31817-15MLCN	DMSO	—	15 mL	POR
373386-1EACN	Hedgehog Signaling Pathway Modulators Panel		1EA	162980

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- JAK/STAT
- MAP Kinase
- Wnt
- FGF
- EGFR
- NF- κ B
- VEGF
- IGF
- Hedgehog



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- Assays from Calbiochem

Catalog No.	Pack	Unit Price ₹
20S Proteasome Assay Kit, SDS-Activated 539158-1KITCN	1 kit	57230
Annexin V Biotin Apoptosis Detection Kit PF036-1EACN	1 ea	44920
Annexin V FITC Apoptosis Detection Kit PF032-1EACN	1 ea	42930
Annexin V-FITC Apoptosis Det. Kit II CBA059-1KITCN	1 kit	32210
Annexin V-PE Apoptosis Detection Kit CBA060-100TESTCN	100 test	48570
Anti-GFAP Cocktail Mouse mAb (SMI-22) NE1015-100ULCN	100 ul	36400
Anti-Pan-Neuro NF Marker Mo mAb(SMI-311) NE1017-100ULCN	100 ul	40760
ATP Assay Kit 119107-1KITCN	1 kit	45710
BrdU Cell Proliferation Assay QIA58-200TESTCN	200 test	31290
QIA58-1000TESTCN	1000 test	67360
b-Secretase Activity Assay Kit 565785-1KITCN	1 kit	69260
Calcineurin Assay Kit, Colorimetric 207005-1KITCN	1 kit	56070
Calcineurin Cellular Activity Assay Kit 207007-1KITCN	1 kit	56070
Calpain Activity Assay Kit, Fluorogenic QIA120-1KITCN	1 kit	57090
cAMP Direct Immunoassay Kit 116811-1KITCN	1 kit	65480
Caspase Detection Kit (Red-VAD-FMK) QIA92-1KITCN	1 kit	60810
Caspase Detection Kit(FITC-VAD-FMK) QIA90-1KITCN	1 kit	60810
Caspase-1 Assay Kit, Colorimetric 218790-1KITCN	1 kit	62190
Caspase-3 Activity Assay QIA70-1KITCN	1 kit	55720
Caspase-3 Cellular Activity Assay Kit 235419-1KITCN	1 kit	46420
Caspase-3 Detection Kit (FITC-DEVD-FMK) QIA91-1KITCN	1 kit	63170
Caspase-3 Detection Kit (Red-DEVD-FMK) QIA93-1KITCN	1 kit	70480
Caspase-3 Inhibitor Screening Assay Kit 235418-1KITCN	1 kit	68040
Caspase3 Intracellular Activity Assay I 235430-1KITCN	1 kit	63170
Caspase3 Intracellular Activity Assay II 235432-1KITCN	1 kit	63170
Caspase-8 Activity Assay QIA71-1KITCN	1 kit	58050
Caspase-8 Detection Kit (FITC-IETD-FMK) QIA113-1KITCN	1 kit	63170
Caspase-9 Activity Assay QIA72-1KITCN	1 kit	63860

Catalog No.	Pack	Unit Price ₹
Caspase-9 Assay Kit, Colorimetric 218824-1KITCN	1 kit	60370
Caspase-9 Detection Kit (FITC-LEHD-FMK) QIA115-1KITCN	1 kit	63170
Catalase Assay Kit 219265-1KITCN	1 kit	60370
Cathepsin B Detection Kit 219346-1KITCN	1 kit	55870
Cell Death Detection (NMP) ELISA Kit QIA20-1EACN	1 ea	69260
Cell Invasion Assay Kit (24-well) QIA129-1KITCN	1 kit	55720
Cholesterol/Cholesteryl Ester Quant. Kit 428901-1KITCN	1 kit	79970
Cu/Zn Superoxide Dismutase ELISA QIA97-1KITCN	1 kit	71690
Cytochrome c Release Apoptosis Assay Kit QIA87-1KITCN	1 kit	60370
DNA Ladder Kit (Suicide Track) AM41-1EACN	1 ea	28310
DSP, Water-Soluble 322133-100MGCN	100 mg	19570
EDAC, HCl 341006-5GMCN	5 gm	9790
341006-25GMCN	25 gm	25270
EMSA ACCESSORY KIT 71282-3CN	100 rxn	15100
FITC Labeling Kit 343210-1KITCN	1 kit	32330
FITC, Isomer 1 34321-250MGCN	250 mg	6980
34321-1GMGCN	1 gm	23660
Fluorescein FragEL DNA Frag. Detect. Kit QIA39-1EACN	1 ea	41760
Glucose Assay Kit CBA086-1KITCN	1 kit	42930
Glutaraldehyde, 25% Aqueous Solution 354400-500MLCN	500 ml	18330
Glutathione Assay Kit 354102-100TCN	100 T	58050
Glutathione Assay Kit II 354103-1KITCN	1 kit	63860
Glutathione Peroxidase Assay Kit 353919-1KITCN	1 kit	62700
Glycoprotein Deglycosylation Kit 362280-1KITCN	1 kit	74850
Glycosyltransferase Affinity Gel-UDP 362314-5MLCN	5 ml	40380
GMBS 442630-100MGCN	100 mg	22040
GSH/GSSG Ratio Assay Kit 371757-1KITCN	1 kit	118540
HDAC Activity Assay Kit 566328-1KITCN	1 kit	63170

Catalog No.	Pack	Unit Price ₹
Human Neutrophil Elastase Activity Kit CBA016-1KITCN	1 kit	58670
Hydroxylapatite, Fast Flow 391947-100GMCN	100 gm	26630
Hydroxylapatite, High Resolution 391948-100GMCN	100 gm	26630
391948-500GMCN	500 gm	85100
IC ECM Cell Adhesion Assay, Collagen IV CBA013-1KITCN	1 kit	49780
IC ECM Cell Adhesion Assay, Fibronectin CBA011-1KITCN	1 kit	42480
IC Laminin-based Cell Invasion Assay CBA043-1KITCN	1 kit	59520
Innocyte Cell Migration Assay, 24-well CBA017-1KITCN	1 kit	49910
InnoCyte Cell Migration Assay, 96-well CBA010-1KITCN	1 kit	60740
InnoCyte Cytochrome c Release Kit CBA077-1KITCN	1 kit	57090
Innocyte ECM Cell Adhesion Array CBA083-1KITCN	1 kit	72910
InnoCyte Monocyte Cell Migration Assay CBA098-1KITCN	1 kit	60740
Innolink Biotin 354S 203119-10MGCN	10 mg	32090
InnoZyme Calpain1/2 Activity Assay Kit CBA054-1KITCN	1 kit	55870
InnoZyme Cathepsin B Activity Assay Kit CBA001-1KITCN	1 kit	57090
InnoZyme Cathepsin L Activity Kit CBA023-1KITCN	1 kit	60740
InnoZyme DPP IV Activity Assay Kit CBA097-1KITCN	1 kit	73640
InnoZyme DPP IV Immunocapture Assay CBA085-1KITCN	1 kit	80020
InnoZyme Insulysin/IDE Immunocapture Act CBA079-1KITCN	1 kit	62320
InnoZyme Myeloperoxidase Activity Kit CBA024-1KITCN	1 kit	58300
InnoZyme TACE Activity Kit CBA042-1KITCN	1 kit	69260
InnoZymeGelatinase(MMP2/MMP9)ActivityKit CBA003-1KITCN	1 kit	68520
Klenow FragEL DNA Fragment. Detect. Kit QIA21-1EACN	1 ea	58300
K-LISA Akt Activity Kit CBA019-1KITCN	1 kit	59710
K-LISA mTOR (Recombinant) Activity Kit CBA104-1KITCN	1 kit	71540
K-LISA mTOR Activity Kit CBA055-1KITCN	1 kit	66780
LCAT Activity Assay Kit, Fluorometric 428900-1KITCN	1 kit	74740
Lipid Hydroperoxide (LPO) Assay Kit 437639-1KITCN	1 kit	56070

Catalog No.	Pack	Unit Price ₹
Live/Dead Double Staining Kit QIA76-100TESTCN	100 test	40050
Methyltransferase Assay CBA096-1KITCN	1 kit	74340
MitoCapture Apoptosis Detection Kit 475866-1KITCN	1 kit	63170
Nitric Oxide Assay Kit, Colorimetric 482650-1KITCN	1 kit	57090
Nitric Oxide Synthase Assay Kit 482700-1KITCN	1 kit	57090
NO Assay Kit, Fluorometric 482655-1KITCN	1 kit	55720
NOS Assay Kit, Colorimetric 482702-1KITCN	1 kit	58050
NoShift TRANSCR. FACTOR ASSAY+NUCBUSTER 71378-3CN	96 rxn	66820
NoShift TRANSCRIPTION FACTOR ASSAY KIT 71377-3CN	96 rxn	48570
OxyDNA Assay Kit, Fluorometric 500095-1KITCN	1 kit	75340
PD Tyrosine Detection Kit 525322-1KITCN	1 kit	65480

Catalog No.	Pack	Unit Price ₹
PHM-L LIPOSORB Absorbent 524371-1GMCN	1 gm	8420
PHM-L LIPOSORB Absorbent 524371-10GMCN	10 gm	46320
PhosphoDetect (TM) Serine Detection Kit 525282-1KITCN	1 kit	62680
PhosphoDetect Threonine Detection Kit 525288-1KITCN	1 kit	55020
Protamine Sulfate, Salmon Milt 539122-5GMCN	5 gm	6690
Protease Assay Kit 539125-1KITCN	1 kit	61960
Proteasome Isolation Kit, Human 539176-1KITCN	1 kit	66820
PTP1B Assay Kit, Colorimetric 539736-1KITCN	1 kit	55720
Rapid Cell Proliferation Kit QIA127-1KITCN	1 kit	37610
Ribonuclease A, Bovine Pancreas 55674-10KUCN	10 ku	7210
Ribonuclease A, Bovine Pancreas 55674-50KUCN	50 ku	27800

Catalog No.	Pack	Unit Price ₹
Ribonuclease A, Protease-Free, Bov Pancreas 556746-10KUCN	10 ku	11200
Ribonuclease A, Protease-Free, Bov Pancreas 556746-50KUCN	50 ku	43700
Senescence Detection Kit QIA117-1KITCN	1 kit	44920
SIRT2, His*Tag, Human, Rec., E. coli 524744-100UGCN	100 ug	53680
Superoxide Anion Detection Kit, Chemilum 574590-1KITCN	1 kit	63170
Superoxide Dismutase Assay Kit II 574601-1KITCN	1 kit	54560
TdT FragEL TM DNA Fragment. Detect. Kit QIA33-1EACN	1 ea	55720
Total Antioxidant Status Assay Kit 615700-1KITCN	1 kit	75500
Ubiquitinated Protein Enrichment Kit 662200-1KITCN	1 kit	58670
Ultrasensitive Cell Proliferation Assay QIA128-1KITCN	1 kit	41260
Urokinase Activity Assay Kit QIA125-1KITCN	1 kit	57090

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Plus, several of our key metabolic assays match the standards of the prestigious World Health Organization (WHO)*. These kits are developed and tested to meet WHO parameters. Provided to you in smaller and more ecologically-friendly packaging, Merck Millipore's ELISAs will exceed your research expectations.

For more information, please visit : [merckmillipore.com/antibodies](https://www.merckmillipore.com/antibodies)

* World Health Organization standards are available and used for final quality control testing.



ELISAS

- ELISA Kits from Calbiochem

Product Order No.	Pack	Unit Price ₹
Insulin Receptor (beta) ELISA Kit CBA039-1KITCN	1 kit	71080
PhosphoDetect Hsp27 (pSer 78/82) ELISA K CBA078-1KITCN	1 kit	71080
c-erbB2/c-neu Rapid Format ELISA Kit QIA10-1EACN	1 ea	83620
Soluble t-PA ELISA Kit QIA99-1KITCN	1 kit	79850
Myeloperoxidase ELISA Kit 475919-1KITCN	1 kit	120620
Mitochondrial Complex II Activity Assay AAMT002-1KITCN	1 kit	60740
MitochondrialCplexIV(Human)ActivityAssay AAMT004-1KITCN	1 kit	60740
Mitochondrial Cplx IV (Mouse) Act Assay AAMT006-1KITCN	1 kit	60740
PDH Activity Assay Kit AAMT008-1KITCN	1 kit	60740
Aconitase Activity Assay Kit AAMT009-1KITCN	1 kit	60740
Lactoferrin ELISA Kit 427275-1KITCN	1 kit	115380
MMP-13 ELISA Kit QIA130-1KITCN	1 kit	78260
TIMP-2 ELISA Kit QIA40-1EACN	1 ea	78260
VEGF ELISA Kit, Mouse QIA52-1EACN	1 ea	78260
TIMP-1 ELISA Kit QIA54-1EACN	1 ea	78260
Phosphoinositide 3 Kinase Assay Kit CBA101-1KITCN	1 kit	41140
PD ERK1/2 (pThr185/pTyr187) ELISA Kit CBA006-1KITCN	1 kit	74610
COX-2 ELISA Kit CBA053-1KITCN	1 kit	74610

Product Order No.	Pack	Unit Price ₹
CREB ELISA Kit CBA071-1KITCN	1 kit	74610
Galectin-3 ELISA Kit QIA112-1KITCN	1 kit	74610
Fas Ligand ELISA Kit QIA27-1EACN	1 ea	74610
MMP-1 ELISA QIA55-1EACN	1 ea	74610
PCNA ELISA Kit QIA59-1EACN	1 ea	74610
TGF-alpha ELISA Kit QIA61-1EACN	1 ea	74610
Human Pro-IGF15 ELISA Kit CBA107-1KITCN	1 kit	74850
PMN Elastase/alpha1-PI Complex ELISA Kit QIA96-1KITCN	1 kit	70720
Fratxin ELISA Kit EAMT002-1KITCN	1 kit	62320
PD GSK-3beta (pSer9) ELISA Kit CBA069-1KITCN	1 kit	74740
Cathepsin D, Rapid Format ELISA Kit QIA29-1EACN	1 ea	74740
Bcl-2 ELISA Kit QIA23-1EACN	1 ea	77360
Mitochondrial Complex I ActivityAssayKit AAMT001-1KITCN	1 kit	58050
MitochondrialCplexV(ATPsyn)ActivityAssay AAMT005-1KITCN	1 kit	58050
Hsp27 ELISA Kit QIA119-1KITCN	1 kit	71310
MMP-9 ELISA Kit QIA56-1EACN	1 ea	71310
MMP-2 ELISA Kit QIA63-1EACN	1 ea	71310



PROTEIN SAMPLE PREPARATION

- Cloning
- Protein Expression & Purification
- Sample Preparation Tools

BugBuster® Protein Extraction Reagents

Simple extraction of soluble protein from E. coli without sonication

BugBuster® Protein Extraction Reagent is formulated to gently disrupt the cell wall of E. coli and liberate soluble proteins. It provides a simple, rapid, low-cost alternative to mechanical methods such as French press or sonication for releasing expressed target protein in preparation for purification or other applications. The proprietary formulation utilizes a detergent mix that is capable of cell wall perforation without denaturing soluble protein.

In practice, cells are harvested by centrifugation and suspended in BugBuster. The addition of rLysozyme™ Solution, which hydrolyzes N-acetylmuramide linkages in the cell wall, enhances the extraction efficiency, especially for larger proteins. Following a brief incubation, insoluble cell debris is removed by centrifugation. At this point, Benzonase® Nuclease can be added to reduce the viscosity of the extract resulting from liberation of chromosomal DNA. The clarified extract is ready to use and fully compatible with the affinity supports offered by Novagen, including GST•Bind™, GST•Mag™, His•Bind®, His•Mag™, S•Tag™, Strep•Tactin®, and T7•Tag® Resins, or several other chromatography matrices. Following binding to the affinity resin, excess BugBuster is easily removed by washing the column with the appropriate buffer. BugBuster is also useful for the preparation of high-purity inclusion bodies in instances where expressed proteins are insoluble. The reagent is available in a variety of configurations.

BugBuster Master Mix

BugBuster® Master Mix combines BugBuster Protein Extraction Reagent with Benzonase® Nuclease and rLysozyme™ Solution in one convenient reagent. BugBuster Master Mix allows for maximum recovery of active, soluble protein from both Gram-negative and Gram-positive bacteria. With the Master Mix, there is no need for dilution or separate addition steps. The two available package sizes provide sufficient reagents for protein extraction from 20 g and 100 g cell paste.

BugBuster Reagent and BugBuster Plus Benzonase® Nuclease

The standard BugBuster reagent is supplied as a Tris-buffered "1X" ready-to-use liquid that is stable at room temperature. The 500-ml size is also available bundled with 10 KU Benzonase Nuclease (provided in a separate vial) for the preparation of low viscosity extracts and/or removal of nucleic acids from protein preparations. BugBuster and Benzonase are compatible with common protease inhibitors.

Components

Cat. No. 70750-3CN	
500 ml	BugBuster Protein Extraction Reagent
10 KU	Benzonase Nuclease, Purity > 90%

BugBuster Plus Lysonase Kit

The BugBuster Plus Lysonase™ Kit combines the activities of both reagents to significantly increase protein extraction efficiency and facilitate downstream processing of protein extracts, thereby enabling maximum recovery of active soluble protein from both Gram-negative and Gram-positive bacteria. Lysonase Bioprocessing reagent is an optimized, ready-to-use blend of rLysozyme Solution

and Benzonase Nuclease. Use 5 ml BugBuster and 10 ml Lysonase per gram of cell paste. Two kit sizes provide sufficient reagents for protein extraction from either 20 or 100 g cell paste.

BugBuster HT Protein Extraction Reagent

BugBuster HT combines BugBuster Protein Extraction Reagent and Benzonase Nuclease in one convenient reagent. BugBuster HT eliminates common bioprocessing problems resulting from traditional cell lysis procedures. Soluble proteins are gently extracted from E. coli without exposure to heat or oxidative damage and viscosity is eliminated by nucleic acid digestion in a single step. The resulting protein extract can easily be fractionated by conventional purification techniques. BugBuster HT is ideally suited for application in high-throughput protein purifications. Compatible with rLysozyme Solution.

BugBuster 10X Protein Extraction Reagent

BugBuster 10X is a concentrated formulation of the proprietary detergents employed in BugBuster without the addition of buffer components. Concentrated BugBuster provides a flexible alternative to the ready-to-use standard 1X BugBuster, allowing user-defined dilution and addition of buffer components. BugBuster 10X has all of the bioprocessing benefits of standard BugBuster plus the freedom to control pH, reagent concentration, and buffer additives necessary for maximum extraction and activity of your target protein.

BugBuster (primary amine-free) Protein Extraction Reagent

BugBuster (primary amine-free) is a special formulation of BugBuster designed for applications where primary amines would interfere if present in the protein extract, such as protein immobilization or cross-linking. The PIPPS buffer used in BugBuster (primary amine-free) has a similar buffer capacity and pH range as the original Tris-buffered BugBuster, but will not complex metal ions, also making it ideally suited for extraction of metal-dependent proteins.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70584-3CN	BugBuster® Protein Extraction Reagent	100 ml	8760
70584-4CN		500 ml	36010
70584-1000MLCN		1000 ml	88010
71456-3CN	BugBuster® Master Mix	100 ml	22280
71456-4CN		500 ml	68610
70750-3CN	BugBuster® plus Benzonase® Nuclease	1 kit	49340
71370-3CN	BugBuster® Plus Lysonase™ Kit	1 kit	22080
71370-4CN		1 kit	69130
70922-3CN	BugBuster® HT Protein Extraction Reagent	100 ml	15280
70922-4CN		500 ml	60800
70922-5CN		1 L	105800
70921-3CN	BugBuster® 10X Protein Extraction Reagent	10 ml	8050
70921-4CN		50 ml	35710
70921-5CN		100 ml	65760
70923-3CN	BugBuster® (primary amine-free) Extraction Reagent	100 ml	9010
70923-4CN		500 ml	36670

PopCulture® Reagent

Protein extraction from *E. coli* cultures directly in the growth medium

Features

- No separation of cells from culture medium
- No mechanical disruption of cells
- No clarification of cell extracts prior to purification
- Direct affinity adsorption of target proteins to resin from the total culture extract
- Ability to rapidly perform the entire cell growth and purification process in a single tube or well

PopCulture® Reagent is a detergent-based concentrate that can be added directly to cultures of *E. coli* to effectively extract proteins without the need for cell harvest. Recombinant proteins can be directly screened in the crude extract, or purified by adding an affinity matrix, washing the matrix target protein complex to remove spent culture medium and cellular contaminants, and eluting the purified protein from the matrix. The entire culturing, extraction, and purification process can be performed in the original culture tube or multiwell plate. This "in-media" protein screening or purification procedure can be adapted to high-throughput robotic processing of samples

for proteomics research and any application that would benefit from the increased speed and convenience it provides. Successful purification of intact fusion proteins from total culture extracts has been demonstrated using His•Bind® and GST•Bind™ Resins (Grabski 2001). The use of His•Mag™ or GST•Mag™ Agarose Beads enables the entire procedure to be carried out in a single tube without the need for columns or centrifugation. Addition of rLysozyme™ Solution or the use of pLysS hosts increases the efficiency of protein extraction with the procedure. Benzonase® Nuclease may also be added to reduce the viscosity of the extract.

PopCulture Reagent is supplied as a ready-to-use Tris-buffered liquid concentrate that is stable at room temperature.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71092-3CN	PopCulture Reagent	15 ml	5810
71092-4CN		75 ml	24980
71092-5CN		250 ml	74310

rLysozyme™ Solution

Stabilized highly active recombinant lysozyme

rLysozyme™ Solution contains a highly purified and stabilized recombinant lysozyme for lysis of Gram-negative bacteria, such as *E. coli*. The enzyme catalyzes the hydrolysis of N-acetylmuramide linkages in bacterial cell walls. The specific activity of rLysozyme (1700 KU/mg) for *E. coli* lysis is 250 times greater than that of chicken egg white lysozyme. rLysozyme is optimally active at physiological pH. Very small amounts of rLysozyme (3–5 KU/g cell paste) enhance the efficiency of protein extraction with BugBuster®, BugBuster HT, and PopCulture® Reagents. In the absence of protein extraction reagents, direct lysis of *E. coli* can be achieved by treatment of 1.0 g cell paste with 45–60 KU rLysozyme. The product is supplied as a ready-to-use solution at a concentration of 30 KU/ml in 50% glycerol containing 50 mM Tris-HCl, 0.1 M NaCl, 0.1 mM EDTA, 1 mM DTT, 0.1% TRITON® X-100, pH 7.5. rLysozyme Solution is stable at –20°C.

Unit definition: One unit of rLysozyme is defined as the amount of enzyme necessary to cause a decrease of 0.025 A450 unit per minute at 25°C in a 1-ml suspension (1 mg/ml) of Tuner™(DE3) cells in 0.5X BugBuster diluted with 50 mM Tris-HCl, pH 7.5.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71110-3CN	rLysozyme Solution	300 KU	4620
71110-4CN		1200 KU	10900
71110-5CN		6000 KU	41590

Chicken Egg White Lysozyme Solution, 10 mg/ml

A ready-to-use, stabilized lysozyme solution

Chicken Egg White Lysozyme Solution is a ready-to-use, stabilized solution of lysozyme. The enzyme catalyzes the hydrolysis of N-acetylmuramide linkages in bacterial cell walls. The solution can be used for the purification of both DNA and protein. Chicken Egg White Lysozyme Solution is recommended for Gram-positive bacterial lysis. The solution is supplied as 10 mg/ml lysozyme in 25 mM sodium acetate with 50% glycerol, pH 4.5 (200 KU/ml). The product is stable at –20°C.

Unit definition: One unit of Chicken Egg White Lysozyme is defined as the amount of enzyme that causes a decrease of

0.001 A450 unit per minute at 25°C, pH 6.2, using a suspension of *Micrococcus lysodeikticus* as the substrate.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71412-3CN	Chicken Egg White Lysozyme, 10 MG/ML	10 x 1 ml	10310

Benzonase® Nuclease

Effective viscosity reduction by removing nucleic acids from protein solutions

Features

- Degrades all forms of DNA and RNA
- Active over a wide range of conditions
- High specific activity
- Reduces processing time and increases protein yields
- Free of animal-derived materials

Benzonase® Nuclease is a genetically engineered endonuclease from *Serratia marcescens*. It degrades all forms of DNA and RNA (single-stranded, double-stranded, linear, and circular) while having no proteolytic activity. It is effective over a wide range of conditions and possesses an exceptionally high specific activity. The enzyme completely digests nucleic acids to 5'-monophosphate terminated oligonucleotides 2 to 5 bases in length (below the hybridization limit), which is ideal for removal of nucleic acids from recombinant proteins, enabling compliance with FDA guidelines for nucleic acid contamination. The ability of Benzonase to rapidly hydrolyze nucleic acids makes the enzyme an excellent choice for viscosity reduction, to reduce processing time and to increase yields of protein. For example, the enzyme is compatible with BugBuster® and PopCulture® Protein Extraction Reagents and can be added along with these reagents to eliminate viscosity by removing nucleic acids from *E. coli* extracts.

The enzyme consists of two subunits of 30 kDa each. It is functional between pH 6 and 10 and from 0–42°C and requires 1–2 mM Mg²⁺ for activation. The enzyme is also active in the presence of ionic and non-ionic detergents, reducing agents, PMSF (1 mM), EDTA (1 mM) and urea (relative activity depends on specific conditions). Activity is inhibited by >150 mM monovalent cations, >100 mM phosphate, >100 mM ammonium sulfate, or >100 mM guanidine hydrochloride. Benzonase Nuclease is available in ultrapure (> 99% by SDS-PAGE) and pure (>90%) grades at a standard concentration of 25 U/μl and at a high concentration (HC) of 250 U/μl. Both preparations are free of detectable protease and have specific activity >1 × 10⁶ U/mg protein. The >99% purity grade is tested for endotoxins and contains <0.25 EU/1000 units. The product is supplied as a 0.2-μm filtered solution in 50% glycerol. Store at –20°C.

Unit definition: one unit is defined as the amount of enzyme that causes a DA260 of 1.0 in 30 minutes, which corresponds to complete digestion of 37 μg DNA.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70746-4CN	Benzonase Nuclease, Purity > 90%	2.5 KU	4830
70746-3CN		10 KU	13860
70664-3CN	Benzonase, Purity > 99%	10 KU	17780
71205-3CN	Benzonase Nuclease Hc, Purity Great. 90%	25 KU	20490
71206-3CN	Benzonase Nuclease Hc, Purity Great. 99%	25 KU	40280

Lysonase™ Bioprocessing Reagent

Convenient blend of rLysozyme™ Solution and Benzonase Nuclease

Lysonase™ Bioprocessing Reagent is an optimized, ready-to-use blend of rLysozyme™ Solution and Benzonase Nuclease. rLysozyme Solution contains a highly purified and stabilized recombinant lysozyme with specific activity 250 times greater than that of chicken egg white lysozyme. Benzonase Nuclease is a genetically engineered nonspecific endonuclease that degrades all forms of DNA and RNA (single stranded, double stranded, circular, linear), reducing extract viscosity and increasing protein yield. The combined activities of rLysozyme and Benzonase Nuclease significantly increase protein extraction efficiency and facilitate downstream processing of protein extracts. For efficient protein extraction with BugBuster Protein Extraction Reagent, use 10 ml Lysonase per 1 g cell paste. For efficient protein extraction with PopCulture Reagent, add 2 ml Lysonase per 1 ml culture. Store at –20°C.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71230-3CN	Lysonase Bioprocessing Reagent	0.2 ml	15200
71230-4CN		1 ml	47290
71230-5CN		5 ml	186270

YeastBuster™ Protein Extraction Reagent

Efficient extraction of protein from yeast and plants without mechanical disruption and enzymatic lysis

Features

- Gentle, rapid, efficient extraction of proteins from yeast and plant cells
- Eliminates the inconsistencies associated with abrasive grinding, ultrasonication, and pressure disruption of yeast cells
- Higher yield of total and enzymatically active proteins
- Fully compatible with Ni-NTA His•Bind and GST•Bind affinity purification methods

YeastBuster™ Protein Extraction Reagent is formulated for fast, efficient, and gentle extraction of active proteins from yeast cells. The reagent avoids the harsh conditions of vigorous mechanical or chemical treatment that often result in heat degradation of target proteins. The proprietary formulation utilizes a mix of mild detergents, protein stabilization buffer, and tris(hydroxypropyl)phosphine (THP) reducing agent (THP concentrate provided in a separate tube). This powerful combination eliminates the inconsistencies associated with tedious mechanical disruption of yeast cells with glass bead abrasives, ultrasonication, and pressure disruption, or enzymatic digestion with b-1,3-glucanase lytic enzymes. The reagent has been tested with *Saccharomyces cerevisiae*, *Pichia pastoris*, *P. stipidis*, and *Schizosaccharomyces pombe* strains and with plant cells.

In practice, cells are harvested by centrifugation and suspended in YeastBuster. Following a brief incubation, insoluble cell debris is removed by centrifugation, and the clarified extract is ready to use. In addition to greater total protein yields in crude extracts and recovery

of enzymatically active protein, the extracts are fully compatible with GST•Bind™ and Ni-NTA His•Bind® immobilized metal affinity chromatography (IMAC) purification methods. The reagent is available in 100- and 500-ml sizes.

Components

Cat. No. 71186	
100 ml or 500 ml	YeastBuster™ Protein Extraction Reagent
1 ml or 5 ml	100X THP Solution

Cat. No.	Product Description	Pack Size	Unit Price ₹
71186-3CN	YeastBuster Protein Extraction Reagent	100 ml	10310
71186-4CN		500 ml	39580

0.5 M THP Solution

Reducing agent compatible with His•Bind® chromatography

THP [Tris(hydroxypropyl)phosphine; C₉H₂₁O₃P] is a water-soluble, odorless, sulfhydryl reducing agent that is more stable and effective than dithiothreitol (DTT). Against oxidized glutathione, the reducing capacity of THP (0.232 meq/g) is greater than that of TCEP (0.182 meq/g). THP is also more resistant to air oxidation than DTT and is compatible with immobilized metal affinity chromatography with His•Bind® and Ni-NTA His•Bind resins at concentrations up to 1.0 mM. The common working concentration of THP for many applications is 1–5 mM. THP is provided as a ready-to-use 0.5 M solution in water.

Purity: > 80% by NMR. CAS: 4706-17-6. MW: 208.2

Cat. No.	Product Description	Pack Size	Unit Price ₹
71194-3CN	0.5 M THP Solution	1 ml	4030
71194-4CN		5 x 1 ml	15200

CytoBuster™ Protein Extraction Reagent

Simple extraction of soluble protein from mammalian and insect cells

Features

- Gentle procedure results in functionally active endogenous or expressed proteins
- Compatible with Western blotting and immunoprecipitation; also compatible with kinase, phosphatase, and protease inhibitors

The CytoBuster™ Protein Extraction Reagent is a proprietary formulation of detergents optimized for efficient extraction of soluble proteins from mammalian and insect cells. The gentle, non-ionic composition of CytoBuster Reagent enables isolation of functionally active endogenous or expressed proteins without secondary treatment such as sonication or freeze/thaw. CytoBuster Reagent has been specifically formulated for utilization in Western blotting, immunoprecipitation, and kinase/phosphatase assays. The reagent is compatible with protease inhibitors, kinase inhibitors, and

phosphatase inhibitors. This reagent is provided in convenient 50-ml bottles (1 bottle for 71109-3, 5 bottles for 71109-4).

Cat. No.	Product Description	Pack Size	Unit Price ₹
71109-3CN	CytoBuster Protein Extraction Reagent	50 ml	7820
71109-4CN		250 ml	30160

Insect PopCulture® Reagent

Protein extraction directly from insect cell cultures

Features

- No need to separate cells from culture media
- No need to clarify cell extracts prior to purification
- Higher protein yield due to target protein recovery from both medium and cells
- Direct affinity adsorption of target proteins to IMAC affinity resin from the total culture extract
- Compatible with protease inhibitor cocktails
- Ideal for high-throughput, expression-level screening and protein purification
- Compatible with transfected and baculovirus infected insect cell cultures

Insect PopCulture® Reagent is a detergent based lysis reagent specifically formulated for total insect cell culture extraction without the need for centrifugation. The improved method recovers both protein released into the medium and intracellular protein, increasing processing efficiency and target protein yields (Loomis 2002). It is amenable for automated expression-level screening and is fully compatible with the Ni-NTA His•Bind® affinity purification method. Insect PopCulture reagent can be used for protein extraction from insect cells grown in suspension and adherent cells grown on tissue culture plates.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71187-3CN	Insect PopCulture Reagent	50 ml	15930
71187-4CN		250 ml	62480

Baculovirus-infected or DNA-transfected insect cell culture



Add Insect PopCulture® Reagent plus Benzonase® Nuclease
15 min room temperature



Add affinity resin 30 min 4°C Wash, elute



Pure protein

Agarose resin selection guide

Resin	Cat No.	Item Description	Size	Recommended for Amicon Pro	Supplied as	Binding Capacity	Suitable for	Price ₹
His•Tag	69670-3CN	His•Bind® Resin	10 mL	+	uncharged IDA agarose resin	8 mg/ml bed volume	up to medium scale purifications using gravity flow columns or batch method; user can charge with Metal Ion of choice	13390
	69670-4CN		50 mL	+	uncharged IDA agarose resin			53680
	69670-5CN		100 mL	+				98440
	69755-3CN	His•Bind® Buffer Kit	1 Kit	+	<ul style="list-style-type: none"> 2 x 80 ml 8X Binding Buffer 25 ml 8X Wash Buffer 50 ml 4X Elute Buffer 50 ml 4X Strip Buffer 20 ml 8X Charge Buffer 	n/a	Solutions are included for Ni2+ charging, binding, washing and elution of up to ten 2.5 ml columns	16350
	70239-3CN	His•Bind® Purification Kit	1 Kit	(comes with chromatography columns)	<ul style="list-style-type: none"> 10 ml His•Bind Resin 1 His•Bind Buffer Kit pkg/4 Chromatography Columns 	8 mg/ml bed volume	small scale purifications using gravity flow columns	27740
	70666-3CN	Ni-NTA His•Bind® Resin	10 ml	++	50% slurry	5-10 mg His•Tag® fusion protein per ml resin	one-step gravity flow purification of proteins containing a His•Tag® sequence	15760
	70666-4CN		25 ml	++				31810
	70666-5CN		100 ml	++				103610
	70691-3CN	Ni-NTA His•Bind® Superflow™ Resin	10 ml	+			compatible with FPLC	18130
	70691-4CN		25 ml	+				41120
	70691-5CN		100 ml	+				135910
	70751-3CN	BugBuster® Ni-NTA His•Bind® Purification Kit	1 Kit	(comes with chromatography columns)	<ul style="list-style-type: none"> 2 x 100 ml BugBuster Protein Extraction Reagent 10,000 U Benzonase Nuclease, purity > 90% 10 ml Ni-NTA His•Bind Resin pkg/4 Chromatography Columns 		Gentle lysis of E. coli to release soluble protein and one-step gravity flow purification of proteins containing a His•Tag® sequence	46210
	70793-3CN	BugBuster® His•Bind® Purification Kit	1 Kit	(comes with chromatography columns)	<ul style="list-style-type: none"> 2 x 100 ml BugBuster Protein Extraction Reagent 10,000 U Benzonase Nuclease, Purity > 90% 10 ml His•Bind Resin 1 His•Bind Buffer Kit pkg/4 Chromatography Columns 	8 mg/ml bed volume		55800
	70899-3CN	Ni-NTA Buffer Kit	1 Kit	++	<ul style="list-style-type: none"> 2 x 125 ml 4X Ni-NTA Bind Buffer 125 ml 4X Ni-NTA Wash Buffer 50 ml 4X Ni-NTA Elute Buffer 	n/a	Set of buffers optimized for purification of His•Tag fusion proteins on Ni-NTA His•Bind Resin. These phosphate-buffered solutions differ from the Tris-based solutions used in the His•Bind Buffer Kit	13160

Agarose resin selection guide (contd.)

Resin	Cat No.	Item Description	Size	Recommended for Amicon Pro	Supplied as	Binding Capacity	Suitable for	Price ₹	
GST	70541-3CN	GST•Bind™ Resin	10 mL	++	50% slurry	5–8 mg GST•Tag fusion protein per 1 ml settled resin	Column or batch format purification of recombinant glutathione S-transferase (GST) fusion proteins or native glutathione S-transferase or glutathione-binding proteins	23630	
	70541-4CN		50 mL	++				53910	
	70541-5CN		25 mL	++				91590	
	70794-3CN	BugBuster® GST•Bind™ Purification Kit	1 Kit	(comes with chromatography columns)	<ul style="list-style-type: none">• 2 x 100 ml BugBuster Protein Extraction Reagent• 10,000 U Benzonase Nuclease, purity > 90%• 10 ml GST•Bind Resin• pkg/4 Chromatography Columns• 2 x 100 ml 10X GST Bind/Wash Buffer• 40 ml 10X Glutathione Reconstitution Buffer• 1 g Glutathione, Reduced	Gentle lysis of E. coli to release soluble protein and purification of recombinant glutathioneS-transferase (GST) fusion proteins or native glutathione S-transferase or glutathione-binding proteins	65990		
	70534-3CN	GST•Bind™ Buffer Kit	1 Kit	++	<ul style="list-style-type: none">• 2 x 100 ml 10X GST Bind/Wash Buffer• 40 ml 10X Glutathione Reconstitution Buffer• 1 g Glutathione, Reduced	n/a	Set of pretested buffers for binding, washing and elution of GST•Tag fusion proteins from GST•Bind Resin or GST•Mag Agarose Beads	15050	
S•Tag	69704-3CN	S-Protein Agarose	2 mL	+	50% slurry	The capacity varies and is based on the size and folding characteristics of a given target protein	Purification of S•Tag™ fusion proteins	11970	
	69704-4CN		10 mL	+				46680	
	69232-3CN	S•Tag™ Thrombin Purification Kit	1 Kit	(comes with spin columns)	<ul style="list-style-type: none">• 2 ml S-protein Agarose• 3 x 5 ml 10X Bind/Wash Buffer• 3 x 1 ml 10X Thrombin Cleavage Buffer• 50 U Biotinylated Thrombin• 0.4 ml Streptavidin Agarose• 2 ea/pkg Spin Filters, 5 ml capacity				41500
	69065-3CN	S•Tag™ rEK Purification Kit	50 u	(comes with spin columns)	<ul style="list-style-type: none">• 2 ml S-protein Agarose• 3 x 5 ml 10X Bind/Wash Buffer• 2 ml 1X rEK Dilution/Storage Buffer• 50 U Recombinant Enterokinase• 1.5 ml Ekapture™ Agarose• pkg/2 Spin Filters, 5 ml capacity				40760

Agarose resin selection guide (contd.)

Resin	Cat No.	Item Description	Size	Recommended for Amicon Pro	Supplied as	Binding Capacity	Suitable for	Price ₹
T7	69025-3CN	T7•Tag® Affinity Purification Kit	1 Kit	(comes with chromatography columns)	<ul style="list-style-type: none"> 1 ml T7•Tag Antibody Agarose 20 ml 10X T7•Tag Bind/Wash Buffer 20 ml 10X T7•Tag Elution Buffer 20 ml T7•Tag Neutralization Buffer 1 Chromatography Column 	> 300 µg T7•Tag β-galactosidase per milliliter of settled resin	Rapid immunoaffinity purification of target proteins that carry the T7•Tag sequence (i.e., the amino terminal 11 aa of the T7 gene 10 protein)	34260
	69026-3CN	T7•Tag® Antibody Agarose	2 mL	+	50% slurry			44670
	71592-3CN	Strep•Tactin Superflow Agarose	2 mL	+	50% slurry	50-100 nmol/ml settled resin, or up to 3 mg of 30 kDa protein per ml settled resin	low pressure & FPLC chromatography	21720
Strep •Tactin	71592-4CN		10 mL	+				83120
	71613-3CN	Strep•Tactin Buffer Kit	1 Kit	+	<ul style="list-style-type: none"> 100 ml 10X Strep•Tactin Wash Buffer 25 ml 10X Strep•Tactin Elution Buffer 100 ml 10X Strep•Tactin Regeneration Buffer 	n/a	Pretested buffers for use with Strep•Tactin Resins to purify Strep•tag® II fusion proteins	24490
	71608-3CN	Strep•Tactin SpinPrep Kit	1 Kit	(prepacked mini spin columns)	<ul style="list-style-type: none"> 25 Strep•Tactin SpinPrep Columns and Collection Tubes 120 ml 10X Strep•Tactin Wash Buffer 25 ml 10X Strep•Tactin Elution Buffer, with Biotin 	Each column purifies up to 150 µg of Strep•tag II fusion protein	Purification of Strep•tag® II fusion proteins using mini spin columns	47660
	71610-3CN	D-DESTHIOBIOTIN	1 g	+	lyophilized powder	n/a	Gentle elution of Strep•tag® II proteins from the biotin-binding site of Strep•Tactin® resins	35830
	IP02-1.5MLCN	Protein A Agarose Suspension	1.5 mL	+	30% slurry	use 15µL suspension/µg Antibody	IP: pre-blocked with BSA. Not for purification	10660
Protein G	IP04-1.5MLCN	Protein G Plus-Agarose Suspension	1.5 mL	+	30% slurry	use 15µL suspension/µg Antibody	IP: pre-blocked with BSA. Not for purification	10660
Protein A/G Mix	IP05-1.5MLCN	Protein G Plus/Protein-A Suspension	1.5 mL	+	30% slurry	use 15µL suspension/µg Antibody	IP: pre-blocked with BSA. Not for purification	10660
	IP10-10MLCN	Protein G Plus/Protein-A	10mL	+	50% slurry	use 5-10 ml of packed beads per ml serum	Antibody purification	76000
Streptavidin	69203-3CN	Streptavidin Agarose	5 mL	+	50% slurry	> 85 nmol free biotin/ml	Column or batch isolation of biotinylated molecules	30450
Other related products	69068-3CN	EKapture™ Agarose	1.5 mL	n/a	n/a	n/a	n/a	10010
	69068-4CN		10 mL					51990

Amicon Pro Key

++ Tested

+ Recommended, but not tested

Restriction Grade Thrombin and Biotinylated Thrombin

Highly efficient, specific cleavage of fusion proteins

Thrombin, Restriction Grade

Restriction Grade Thrombin is qualified to specifically cleave target proteins containing the recognition sequence LeuValProArg ↓ GlySer. The preparation is functionally tested for activity with fusion proteins and is free of detectable contaminating proteases. Thrombin is supplied with 10X Thrombin Cleavage Buffer and a Cleavage Control Protein.

Unit definition: One unit is defined as the amount of enzyme needed to cleave 1 mg of fusion protein in 16 hours at 20°C in a 200-ml reaction containing buffer (20 mM Tris-HCl, 150 mM NaCl, 2.5 mM CaCl₂, pH 8.4), 50 mg fusion protein, and enzyme.

Biotinylated Thrombin

Biotinylated Thrombin is similar to Restriction Grade Thrombin, but has covalently attached biotin for easy removal of the enzyme from cleavage reactions using immobilized streptavidin. The Novagen preparation is tested for activity using the same assay as for unmodified thrombin, and for greater than 99% binding to Streptavidin Agarose.

Thrombin Cleavage Capture Kit

The Thrombin Cleavage Capture Kit is designed for cleavage of fusion proteins followed by convenient and quantitative removal of thrombin protease. The method is based on the use of Biotinylated Thrombin for digestion and its subsequent removal with Streptavidin Agarose. The kit is suitable for use with any fusion protein that contains a thrombin recognition sequence. A Cleavage Control Protein is included in the kit to monitor performance of cleavage conditions. It is cleaved into two fragments, which are easily visualized by SDS-PAGE.

Cleavage Control Protein

The Cleavage Control Protein is also available separately to monitor performance of either thrombin or enterokinase cleavage conditions. The 48-kDa control protein is cleaved into two proteolytic fragments of 35 kDa and 13 kDa, each of which is easily visualized by SDS-PAGE.

Components

Cat. No. 69671-3CN	
50 U	Thrombin
1 ml	10X Thrombin Cleavage Buffer
2 ml	1X Thrombin Dilution/Storage Buffer
10 µg	Cleavage Control Protein

Cat. No. 69672-3CN	
50 U	Biotinylated Thrombin
1 ml	10X Thrombin Cleavage Buffer
2 ml	1X Thrombin Dilution/Storage Buffer
10 µg	Cleavage Control Protein

Cat. No. 69022-3CN	
50 U	Biotinylated Thrombin
5 x 1 ml	10X Thrombin Cleavage Buffer
2 ml	1X Thrombin Dilution/Storage Buffer
2 x 0.4 ml	Streptavidin Agarose
10 µg	Cleavage Control Protein
pkg/10	Spin Filters, 2 ml capacity

Cat. No.	Product Description	Pack Size	Unit Price ₹
69671-3CN	Thrombin, Restriction Grade	50 U	13350
69672-3CN	Biotinylated Thrombin	50 U	29790
69672-500UNCN		500 U	294320
69672-1000UNCN		1000 U	529730
69022-3CN	Thrombin Cleavage Capture Kit	1 kit	35190
69069-3CN	Cleavage Control Protein	10 Ug	6750

Recombinant Bovine Enterokinase

Highly specific cleavage of fusion proteins

Recombinant Enterokinase

Recombinant Enterokinase (rEK) is a highly purified preparation of the catalytic subunit of recombinant bovine enterokinase, which recognizes the identical cleavage site as the native enzyme (i.e., AspAspAspLys ↓) and has similar enzymatic activity. rEK exhibits superior rates of cleavage of fusion proteins containing the recognition sequence when compared to the native enzyme (Collins-Racie 1995). Novagen rEK is purified to near homogeneity and, unlike some preparations of native bovine enterokinase, exhibits no secondary cleavage arising from contaminating proteases. The preparation is also functionally tested for activity with fusion proteins.

Unit definition: One unit is defined as the amount of enzyme needed to cleave 50 mg of fusion protein in 16 hours at 23°C in a buffer containing 20 mM Tris-HCl, 50 mM NaCl, and 2 mM CaCl₂, pH 7.4.

Enterokinase Cleavage Capture Kit

The Enterokinase Cleavage Capture Kit is designed for highly specific cleavage of fusion proteins followed by rapid, affinity-based capture and removal of enterokinase.

Following cleavage of the target protein, rEK is removed with > 99% efficiency from the reaction by affinity capture on EKapture™ Agarose. Following capture of rEK, the EKapture Agarose is removed by spin filtration. Because the same buffer conditions are used for both cleavage and capture, no buffer changes are necessary.

The kit also includes a Cleavage Control Protein for conducting control digests in parallel with experimental samples, or to test cleavage under customized buffer conditions. The 48-kDa Cleavage Control Protein is cleaved into two proteolytic fragments of 32 kDa and 16 kDa, each of which is easily visualized by standard SDS-PAGE followed by Coomassie blue staining. The Cleavage Control

Protein also features an amino terminal S•Tag™ sequence enabling sensitive detection of the 16-kDa proteolytic product with Western blot reagents.

Components

Cat. No. 69067-3CN	
50 U	Recombinant Enterokinase
2 ml	1X rEK Dilution/Storage Buffer
5 ml	10X rEK Cleavage/Capture Buffer
1.5 ml	EKapture™ Agarose
10 µg	Cleavage Control Protein
pkg/10	Spin Filters, 2 ml capacity

Cat. No.	Product Description	Pack Size	Unit Price ₹
69066-3CN	Recombinant Enterokinase	50 U	16830
69066-1000UNCN		1000 U	POR
69067-3CN	Enterokinase Cleavage Capture Kit	1 kit	29980

High Activity Recombinant Human Enterokinase

Highly specific cleavage of fusion proteins

Tag•off™ High Activity rEK

Tag•off™ High Activity rEK is a highly purified preparation of the catalytic subunit of recombinant human enterokinase that recognizes the identical cleavage site as the native enzyme, AspAspAspAspLys↓ (Gasparian 2003). The Tag•off High Activity rEK substrate binding site (ArgArgArgLys) differs from the bovine enterokinase site (LysArgArgLys) by a single amino acid, which is believed to account for its higher substrate affinity and the resulting higher specific activity. The preparation has been functionally tested for activity with thioredoxin/human epidermal growth factor and thioredoxin/human IL-13 fusion proteins (Gasparian, 2003). The Tag•off High Activity rEK as a highly purified (99% by Coomassie staining) enzyme solution and includes rEK 1X Dilution/Storage Buffer, 10X Cleavage Buffer, and a Cleavage Control Protein.

Unit definition: One unit is defined as the amount of enzyme needed to cleave 50 mg of fusion protein in 16 hours at 23°C in a buffer containing 20 mM Tris-HCl, 50 mM NaCl, and 2 mM CaCl₂, pH 7.4.

Tag•off rEK Cleavage/Capture Kit

Tag•off rEK Cleavage Capture Kit is designed for highly specific cleavage of fusion proteins, followed by rapid affinity-based capture and removal of enterokinase. Following cleavage of the target protein, greater than 99% of Tag•off rEK can be quickly removed from the reaction by affinity capture on EKapture Agarose available in the Tag•off rEK Cleavage Capture Kit. Just add EKapture Agarose to the rEK digest, incubate at room temperature for 5 minutes and remove the resin by spin filtration. Because the same buffer conditions are used for both cleavage and capture, no buffer change is necessary. The Tag•off rEK Cleavage Capture Kit includes the EKapture Agarose and Spin Filters in addition to the same components available with the Tag•off High Activity rEK (enzyme, dilution buffer, cleavage buffer and Control Protein).

Components

Cat. No. 71537-3CN	
50 U	Tag•off High Activity rEK
10 µg	Cleavage Control Protein
2 ml	1X rEK Dilution/Storage Buffer
1 ml	10X rEK Cleavage Buffer

Cat. No. 71540-3CN	
50 U	Tag•off rEK Cleavage Capture Kit
10 µg	Cleavage Control Protein
2 ml	1X rEK Dilution/Storage Buffer
5 ml	10X rEK Cleavage/Capture Buffer
1.5 ml	EKapture™ Agarose
10	Spin Filter, 2 ml capacity

Cat. No.	Product Description	Pack Size	Unit Price ₹
71537-3CN	Tag•off High Activity rEK	50 U	17730
71540-3CN	Tag•off rEK Cleavage Capture Kit	1 kit	31370

HRV 3C Protease

Highly efficient fusion tag removal at low temperature

Recombinant type 14 3C protease from human rhinovirus (HRV 3C) is a recombinant restriction-grade protease. HRV 3C is a highly purified recombinant 6XHis-fusion protein, that recognizes the same cleavage site as the native enzyme: LeuGluValLeuPheGln↓GlyPro. The small, 22-kDa size of the protease, optimal activity at 4°C, high specificity, and His•Tag® fusion make HRV 3C protease an ideal choice for rapid removal of fusion tags. The pET expression vectors pET-47b(+) through pET-50b(+) incorporate the HRV 3C protease cleavage site in combinations with His•Tag, S•Tag™, thioredoxin (Trx•Tag™), glutathione-S-transferase (GST•Tag™), and NusA (Nus•Tag™) sequences. The combination of pET-47b(+) to pET-50b(+) vectors for expression, HRV 3C protease for fusion tag cleavage, and Ni-NTA His•Bind® metal affinity chromatography for protein purification as well as protease and fusion tag removal allows production of recombinant proteins free of vector-encoded sequences. Other expression vectors, including the pET-52b(+) vector, the InsectDirect™ pLex™-9 vector, and the multisystem pTriEx™-6 vector, all incorporate the HRV 3C protease cleavage site in combination with the Strep•Tag® II and His•Tag sequences. Supplied as: 2000 U/ml in 50 mM Tris-HCl (pH 8.0), 150 mM NaCl, 1 mM EDTA, 0.5 mM THP, and 50% glycerol.

Unit definition: One unit will cleave >95% of 100 mg His•Tag fusion control protein in 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 at 4°C for 16 h.

Components

500 U	HRV 3C Protease
10 µg	HRV 3C Cleavage Control Protein
10 ml	10X HRV 3C Cleavage Buffer

Cat. No.	Product Description	Pack Size	Unit Price ₹
71493-3CN	HRV 3C Protease	500 U	28240
71493-10000UNCN		10000 U	223660

Restriction Grade Bovine Factor Xa

Specific cleavage of fusion proteins

Factor Xa, Restriction Grade

Restriction Grade Factor Xa is a highly purified enzyme isolated from bovine plasma and activated with Russell's viper venom. The Novagen preparation is purified to near homogeneity and shows no secondary cleavage from contaminating proteases. The preparation is also functionally tested for activity with fusion proteins.

Factor Xa cleaves at the C-terminal side of its recognition sequence (IleGluGlyArg ↓) and can, therefore, be used for removing all vector-encoded sequences from appropriately designed constructs.

Unit definition: One unit of Restriction Grade Factor Xa cleaves 50 mg Xa Cleavage Control Protein to > 95% completion in 16 hours at 21°C in a buffer containing 50 mM Tris-HCl, 100 mM NaCl, and 5 mM CaCl₂, pH 8.0.

Factor Xa Cleavage Capture Kit

The Factor Xa Cleavage Capture Kit is designed for highly specific cleavage of fusion proteins followed by convenient affinity based capture and removal of Factor Xa. After cleavage of the target protein, Factor Xa is removed with greater than 95% efficiency from the reaction by affinity capture on Xarrest™ Agarose. Following capture of Factor Xa, the agarose is removed by spin-filtration. No buffer changes are necessary because the same buffer conditions are used for both cleavage and capture. The kit also includes the Xa Cleavage Control Protein, which is cleaved into two proteolytic fragments (35.8 and 17.3 kDa) that allow the performance of the cleavage reaction to be monitored with easily visualization by SDS-PAGE analysis. The Xa Cleavage Control Protein also features an amino terminal S•Tag™ sequence enabling sensitive detection of the smaller fragment with Western blot reagents.

Components

Cat. No. 69036	
400 U	Restriction Grade Factor Xa
2 ml	Factor Xa Dilution/Storage Buffer
1 ml	10X Factor Xa Cleavage Buffer
10 µg	Cleavage Control Protein

Cat. No. 69037	
400 U	Restriction Grade Factor Xa
2 ml	Factor Xa Dilution/Storage Buffer
5 ml	10X Factor Xa Cleavage/Capture Buffer
2 x 2.5 ml	Xarrest™ Agarose
10 µg Xa	Cleavage Control Protein
pkg/10	Spin Filters, 2 ml capacity

Cat. No.	Product Description	Pack Size	Unit Price ₹
69036-3CN	Factor Xa, Restriction Grade, Bovine Plasma	400 U	13980
69036-8000UNCN		8000 U	149960
69037-3CN	Factor Xa Cleavage Capture Kit	1 kit	32350
69051-3CN	Xa Cleavage Control Protein	10 Ug	6750
69038-3CN	Xarrest Agarose	5 ml	19780

D-Tube™ Dialyzers

Dialysis and electroelution from polyacrylamide or agarose gels

Features:

- Easy-to-handle dialyzers for buffer exchange and removal of detergents and urea
- One-step procedure that does not require syringes or any special equipment
- Sample volume recovery > 97%
- Free of Protease, RNase, DNase, and PCR products
- Ideal for electroelution of proteins, protein-DNA complexes, oligonucleotides, DNA, and RNA from polyacrylamide and agarose gels

The D-Tube™ Dialyzers can be used for dialysis and electroelution of proteins, RNA, DNA, and oligonucleotides from polyacrylamide or agarose gels. The disposable, single-use tubes require no syringes, microcentrifuge, or laborious steps to manipulate small sample volumes. The sample is added and removed using a standard laboratory pipette. Available with molecular weight cutoffs (MWCO) from 3.5 to 14 kDa, the D-Tube Dialyzers are designed in three volume capacities: mini (10–250 µl), midi (50–800 µl), and maxi (500–3000 µl). The membrane is ultra-clean, EDTA-treated regenerated cellulose, sulfur- and heavy metal-free. Each kit contains 10 D-Tube Dialyzers and one floating rack that can hold up to four D-Tube Dialyzers in the exchange buffer.

D-Tube Dialyzer Size Volume MW Cutoff

Mini	10 to 250 µl	6-8 kDa
	10 to 250 µl	12-14 kDa
Midi	50 to 800 µl	3.5 kDa
	50 to 800 µl	6-8 kDa
Maxi	500 to 3000 µl	3.5 kDa
	500 to 3000 µl	6-8 kDa
	500 to 3000 µl	12-14 kDa

Components

Cat. No. 71504 – 71510	
10	D-Tubes
1	Floating Rack

Cat. No.	Product Description	Pack Size	Unit Price ₹
71504-3CN	D-Tube Dialyzer Mini, MWCO 6-8 kDa	1 kit	7230
71505-3CN	D-Tube Dialyzer Mini, MWCO 12-14 kDa	1 kit	7230
71506-3CN	D-Tube Dialyzer Midi, MWCO 3.5 kDa	1 kit	11020
71507-3CN	D-Tube Dialyzer Midi, MWCO 6-8 kDa	1 kit	11220
71508-3CN	D-Tube Dialyzer Maxi, MWCO 3.5 kDa	1 kit	13390
71509-3CN	D-Tube Dialyzer Maxi, MWCO 6-8 kDa	1 kit	13390
71510-3CN	D-Tube Dialyzer Maxi, MWCO 12-14 kDa	1 kit	13390
71513-3CN	FLOATING RACK, MIDI	10 racks	3140
71514-3CN	FLOATING RACK, MAXI	10 racks	4100
71512-3CN	Floating Rack, Mini	10 racks	2410

D-Tube™ Electroelution Accessory Kit

Optimized reagents for protein and nucleic acid precipitation following electroelution

Features:

- Efficient extraction of protein, protein-DNA complexes, oligonucleotides, DNA, and RNA from 1D and 2D polyacrylamide and agarose gels
- More than 60% protein recovery
- More than 90% recovery of oligonucleotides, RNA, and DNA from 15 nt to 80 kb in size
- Procedure compatible with variety of downstream applications including MALDIMS, functional assays, and HPLC

The combination of D-Tube™ Dialyzers and the D-Tube Electroelution Accessory Kit provides a unique tool for extraction of any protein, protein-protein complex, or protein-DNA complex from non-denaturing and denaturing (SDS) polyacrylamide gels with 60% recovery yield in less than 2 hours. Extracted proteins are compatible with most downstream applications such as MALDI-MS, animal immunization for antibody production, HPLC, peptide mapping, and functional assays. In addition, D-Tube Dialyzers can be used for oligonucleotides, RNA, and DNA extraction from both polyacrylamide and agarose gels. Efficient extraction (> 90%) is achieved for 15-nt oligos and for DNA fragments of up to 80 kb. The D-Tube Electroelution Accessory Kit provides, three D-Tube support trays, one for each size D-Tube which is compatible with most commercially available horizontal electrophoresis units and optimized reagents for protein and nucleic acid precipitation following electroelution.

Components

1 ml	MS Precipitation Buffer
10 ml	TCA, 20%
2 x 1 ml	3 M NaAc, pH 5.2
3	Supporting Trays, Mini, Midi, Maxi

Cat. No.	Product Description	Pack Size	Unit Price ₹
71511-3CN	D-Tube Electroelution Accessory Kit	1 kit	7240

D-Tube™ Dialyzers Mega

Dialysis of larger volume samples

Features:

- Efficient dialysis of larger volume samples – 10, 15 and 20 mL
- Large dual membrane surface with MWCO of 3–5 or 6–8 kDa
- Convenient sample addition – no syringes necessary
- Ideally suited for buffer exchange of protein samples into a physiologically relevant buffer prior to refolding optimization screening with the iFOLD® Protein Refolding System 1

The D-Tube™ Dialyzers Mega are easy-to handle dialyzers in a screw capped tube format with dialysis membrane windows for buffer exchange and removal of solutes. The disposable, single-use tubes require no syringes or laborious steps to manipulate samples. The sample is added and removed using standard laboratory pipet. Available in different plastic colors with molecular weight

cut-offs 3.5 kDa (Blue) and 6–8 kDa (Pink), the D-Tube Dialyzers Mega are designed in three volume capacities: 10 ml, 15 ml, and 20 ml. The membrane is ultra-clean, EDTA treated regenerated cellulose, sulfur- and heavy metal-free. Each kit contains 10 or 50 tubes and one or 5 floating racks to hold one D-Tube Mega in the exchange buffer.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71739-3CN	D-Tube Dialyzer Mega, -10ML, MWCO 3.5 kDa	10 D-Tubes	14930
71739-4CN		50 D-Tubes	59350
71740-3CN	D-Tube Dialyzer Mega, 10ML, MWCO 6–8 kDa	10 D-Tubes	14930
71740-4CN		50 D-Tubes	61160
71742-3CN	D-Tube Dialyzer Mega, 15ML, MWCO 3.5 kDa	10 D-Tubes	15560
71742-4CN		50 D-Tubes	59950
71743-3CN	D-Tube Dialyzer Mega, 15ML, MWCO 6–8 kDa	10 D-Tubes	15560
71743-4CN		50 D-Tubes	59950
71745-3CN	D-Tube Dialyzer Mega, 20ML, MWCO 3.5 kDa	10 D-Tubes	15870
71745-4CN		50 D-Tubes	62980
71746-3CN	D-Tube Dialyzer Mega, 20ML, MWCO 6–8 kDa	10 D-Tubes	16160
71746-4CN		50 D-Tubes	64780
71748-3CN	Floating Rack, Mega	10 racks	4100

D-Tube96™ Dialyzers

High throughput dialysis

Features:

- 96-tube format for high throughput applications
- Sample addition by multi-channel pipet, or robotic dispensing
- Kit includes floatable rack, 96 D-Tube Dialyzers and 96 caps
- Unused tubes can be removed for future use

D-Tube96™ Dialyzers allow convenient, high throughput dialysis of 96 samples simultaneously. The device features the advantages of the D-Tube™ Dialyzer Mini in a 96-tube format. D-Tube Dialyzers are easy to handle tubes with dual membranes providing a large surface area for fast, efficient dialysis. The membrane is ultra clean, EDTA-treated, regenerated cellulose that is sulfur- and heavy metal-free.

Components

1	D-Tube96 Dialyzer, 6–8 kDa or 12–14 kDa
1	Aluminum Plate Sealer
96	D-Tube Dialyzer caps

Cat. No.	Product Description	Pack Size	Unit Price ₹
71712-3CN	D-Tube96™ Dialyzer, 6–8 kDa	96 D-Tubes	51030
71713-3CN	D-Tube96 Dialyzer, 12–14 kDa	96 D-Tubes	51030

Miracloth

Cloth filtration of homogenates

Miracloth is an autoclavable, quick filtration material for gelatinous homogenates that is composed of rayon-polyester with an acrylic binder. It is ideal for filtration of cleared neutralized lysates during medium- and large-scale plasmid purification to prevent contamination with loosely adherent pellet material and is useful for protoplast isolation.

One roll equals 18 in. x 50 ft. Typical pore size: 22–25 µm.

Cat. No.	Product Description	Pack Size	Unit Price ₹
475855-1RCN	Miracloth	1 roll	9220

AntigenPlus™ Antigen Retrieval Buffers

Optimized buffer systems to improve staining in fixed tissues

Because paraformaldehyde- or formalin-fixed tissues occasionally show low reactivity to antibodies used for immunohistochemistry (IHC), it is advantageous to identify a set of conditions that facilitate recovery of protein structure and reactivity. Antigen retrieval (AR) involves optimization of tissue treatment with a combination of heat, pH, and salt for immunostaining. Although the specific mechanism of action for AR is unclear, it is possible that some modification of the cross linkages (loosening or breakage) or renaturation of the protein epitopes occurs (Tacha 1994; Chan 1998). The conditions for effective AR are usually determined empirically and vary depending on the tissue source and antigen-antibody combination. Pretreatment of fixed tissues with an antigen retrieval buffer can dramatically improve antibody staining.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71290-3CN	5X AntigenPlus Buffer (pH 10)	100 ml	5910
71289-3CN	5X AntigenPlus Buffer (pH 6)	100 ml	5910

Reportasol™ Extraction Buffer

Extraction of maximal reporter enzyme activity from mammalian and insect cells

Reportasol™ Extraction Buffer is designed to efficiently extract soluble reporter enzymes from mammalian and insect cells while maintaining maximal activity. The formulation has been optimized for high throughput assays of firefly luciferase, Renilla luciferase, and β-galactosidase. Efficient extraction is achieved in a passive mode (i.e., no shaking or mixing is required) while maintaining extremely high reporter enzyme activity. Reportasol is also compatible with standard protein assay methods. The buffer is provided in convenient 25-ml bottles

Cat. No.	Product Description	Pack Size	Unit Price ₹
70909-3CN	Reportasol Extraction Buffer	25 ml	7240

NucBuster™ Protein Extraction Kit

Rapid and convenient extraction of nuclear proteins

Features

- Nuclear extract preparation in 30 minutes
- No homogenization or dialysis required
- Procedure performed in a single microcentrifuge tube
- Extracts suitable for activity assays, electrophoretic mobility shift assays (EMSA), and NoShift™ Transcription Factor Assays

The NucBuster™ Protein Extraction Kit provides an alternative to the time intensive and cumbersome traditional methods for preparing nuclear extracts from mammalian cells. Time consuming traditional methods (up to 7 hours), based on a procedure originally described by Dignam et al. (1983), includes suspending cells in hypotonic solution, Dounce homogenization, centrifugation, and dialysis. The NucBuster Kit protocol is rapid and allows for the easy processing of multiple samples. The entire procedure from start to finish yields ready-to-use nuclear extract within 30 minutes. The composition of gentle detergents and salt in the final NucBuster extract is directly compatible with electrophoretic mobility shift assays (EMSA).

The NucBuster protocol is based on two proprietary detergent-based solutions, NucBuster Extraction Reagent 1, optimized for cell lysis and removal of cytoplasmic components, and NucBuster Extraction Reagent 2, optimized for extraction of nuclear proteins. In addition, NucBuster extract is free of the "stickiness" associated with release of genomic DNA, a problem associated with some traditional methods. No Dounce homogenization is required and there is no need for dialysis. The entire procedure is performed in a single microcentrifuge tube and requires only a vortex mixer and microcentrifuge. The kit provides enough reagents for 100 preparations of nuclear extract from 1×10^7 to 5×10^7 cells and the protocol is scalable.

Components

2 x 7.5 ml	NucBuster Extraction Reagent 1
7.5 ml	NucBuster Extraction Reagent 2
100 µl	100 mM DTT
1 set	Protease Inhibitor Cocktail Set I (lyophilized, makes 100 µl)

Cat. No.	Product Description	Pack Size	Unit Price ₹
71183-3CN	NucBuster Protein Extraction Kit	1 kit	25830

ProteoExtract® Subcellular Proteome Extraction Kits

Fast and reproducible extraction of subcellular proteomes from mammalian cells

Features

- Stepwise extraction results in four distinct subcellular proteomes from one sample
- Highly reproducible
- No ultracentrifugation steps required
- Fast—needs just 2 hours, including 45 minutes hands-on time
- Produces proteins suitable for functional studies

ProteoExtract® Subcellular Proteome Extraction Kit (S-PEK) is designed for fast and reproducible extraction of subcellular proteomes from mammalian tissue and adherent and suspension-grown cells. S-PEK takes advantage of the different solubilities of certain subcellular compartments in the four selected reagents. With adherent cells, the procedure is performed directly in the tissue culture dish. Cells or cell components remain attached to the plate during sequential extraction of subcellular compartments, until the appropriate extraction reagent is used. This preserves cellular and subcellular structure, in contrast to traditional methods involving enzymatic or mechanical processing. For suspension-grown cells, extraction starts with gentle sedimentation and cell washes. For tissues, fragmentation is required before proceeding with the extraction protocol. Alternatively, use the ProteoExtract Tissue Dissociation Buffer Kit and a collagenase of choice. Each kit contains all reagents needed for 20 reactions (Cat. No. 539790) or 10 reactions (Cat. No. 539791). Each reaction is for 1×10^6 cells.

The stepwise extraction delivers four distinct protein fractions from one sample:

- Cytosolic protein fraction
- Membrane/organelle protein fraction
- Nuclear protein fraction
- Cytoskeletal protein fraction

Proteins are obtained in the native state (except the cytoskeletal protein fraction), making the S-PEK suitable for many downstream applications such as 1D and 2D gel electrophoresis, immunoblotting, enzyme activity assays, and protein microarrays.

Components

Cat. No. 539790-1KITCN
• 100 ml Wash Buffer
• 22 ml Extraction Buffer I
• 22 ml Extraction Buffer II
• 11 ml Extraction Buffer III
• 10 ml Extraction Buffer IV
• 500 µl Protease Inhibitor Cocktail
• 45 µl Benzonase® Nuclease

Cat. No. 539791-1KITCN
• 50 ml Wash Buffer
• 12 ml Extraction Buffer I
• 12 ml Extraction Buffer II
• 6 ml Extraction Buffer III
• 5 ml Extraction Buffer IV
• 250 µl Protease Inhibitor Cocktail
• 25 µl Benzonase Nuclease (≥ 250 U/µl)

Cat. No.	Product	Pack Size	Unit Price ₹
539790-1KITCN	ProteoExtract® Subcellular Proteome Extraction Kit (S-PEK)	1 kit	49520
539791-1KITCN	ProteoExtract® Subcellular Proteome Extraction Kit, Mini	1 kit	34600

ProteoExtract® S-PEK Antibody Control Kit

For monitoring subcellular protein extraction

Features

- Set of 4 antibodies specific for cytoplasm, membrane, nuclear, and cytoskeletal compartment protein markers
- Compatible with Western blotting and other immunohistochemical procedures

The ProteoExtract® S-PEK Antibody Control Kit is a set of four monoclonal antibodies that recognize proteins specific for each of the four sub-cellular fractions obtained with the ProteoExtract Subcellular Proteome Extraction Kit (S-PEK). These antibodies can be used in Western blot procedures to confirm proper sub-fractionation of cellular proteomes. The kit provides 15 µg/vial each of the following antibodies: Anti-HSP 90a, Anti-Vimentin, Anti-Calnexin, and Anti-PARP-1. HSP90a protein is a marker for the cytosolic fraction. Calnexin is a trans-membrane protein. PARP is a nuclear protein. Vimentin is an intermediate filament protein found in the cytoskeleton. Due to the species specificity of Anti-HSP 90 and Anti-Vimentin antibodies, we recommend using this kit with cellular fractions obtained from human-derived cell lines and tissues.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71771-3CN	ProteoExtract S-PEK Antibody Control Kit	1 kit	42710

1° Antibody	Concentration (µg/mL)	M.W. of Antigen (kDa)
HSP90α	1.0	90
Calnexin	1.0	68
PARP1	1.0	116
Vimentin	0.1	58

Antibody	Epitope	Marker	Species Reactivity	Applications
Anti-HSP90a Mouse mAb (EMD-17D7)	Recognizes the ~90 kDa HSP90a (heat shock protein 90a) protein in HeLa cells. Does not recognize HSP90β.	cytoplasmic	human	IB, IP, ELISA
Anti-Calnexin Mouse mAb (TO-5)	Synthetic peptide corresponding to amino acids 509-524 of human calnexin.	membrane	human	IB
Anti-Vimentin /LN6 (Ab-1) Mouse mAb (V-9)	Recognizes the ~58 kDa vimentin protein. Does not cross-react with closely related intermediate filament proteins, including desmin and GFA.	cytoskeletal	chicken, human, porcine, rat; does not cross-react with mouse	IB, IF, PS, FS
Anti-PARP-1 (Ab-2) Mouse mAb (C-2-10)	Recognizes the ~116 kDa full-length PARP protein and the ~85 kDa cleaved fragment of PARP in etoposide treated HL-60 cells.	nuclear	hamster, human, monkey, mouse, rat; does not cross-react with chicken	IB, IF

ELISA: enzyme-linked immunosorbent assay, FS: Frozen Sections, PS: Paraffin Sections IB: immunoblotting, IP: immunoprecipitation, IF: Immunofluorescence

ProteoExtract® Transmembrane Protein Extraction Kit

For difficult-to-extract transmembrane proteins

Features

- Novel, detergent-free extraction chemistry
- Extract single to several transmembrane domain proteins
- Isolate small proteins or large protein complexes
- Compatible with activity assays, immunoassays, native and SDS-PAGE, and tryptic digestion followed by MS analysis
- Includes Protease Inhibitor Cocktail

The ProteoExtract® Transmembrane Protein Extraction Kit (TM-PEK) provides a novel detergent-free chemistry that enables mild and efficient extraction of transmembrane proteins from mammalian cells and tissues. GPCRs (G-protein coupled receptors) or 7-TMs (seven transmembrane passing proteins) are the largest membrane protein family known, and are involved in stimulus-response pathways ranging from intercellular communication to physiological sensing. The GPCR family of receptors is well-established as a premier target family for drug development. The new TM-PEK Kit is a unique tool to enable functional analysis of these drug target proteins in vitro. Extracted and enriched protein classes comprise small to very large proteins, proteins with single pass to several transmembrane passing domains and even large protein complexes. The two-step method is designed to enrich for membrane and membrane-associated proteins. The kit contains two reagents, TM-PEK Reagent A and TM-PEK Reagent B, which are used to make Extraction Buffer 2A or Extraction Buffer 2B respectively. The characteristics of the protein(s) of interest will dictate choice of extraction buffer. The optimal buffer is determined empirically. ProteoExtract TM-PEK reagents are compatible with most commonly used protein analysis methods. Each kit contains all reagents needed for processing 20 samples from tissue culture cells (2–5 × 10⁶ cells) or mammalian tissues (25–50 mg).

Cat. No.	Product Description	Pack Size	Unit Price ₹
71772-3CN	PE Transmembrane Protein Extraction Kit (TM-PEK)	1 kit	47410

ProteoExtract® Native Membrane Protein Extraction Kit

For the selective extraction of native membrane proteins

Features

- Offers 3- to 5-fold enrichment of native membrane proteins
- Yields proteins in native, functional state
- Includes Protease Inhibitor Cocktail

The ProteoExtract® Native Membrane Protein Extraction Kit (M-PEK) is designed for the isolation of native membrane proteins from mammalian cells and tissue. Rather than separating proteins solely by their intrinsic hydrophobicity, the M-PEK procedure allows extraction of proteins from mammalian samples based on an actual association of proteins with cellular membranes. Samples from adherent and suspension tissue culture cells (3 × 10⁶ to 5 × 10⁶ cells) or mammalian tissue (25–50 mg) can be separated as the membrane protein fraction in less than two hours without the need for ultracentrifugation of samples or incubation at elevated temperatures. The extremely mild conditions yield a solution of integral membrane and membrane-associated proteins in their native state. These samples are suitable for enzyme activity assays, non-denaturing gel electrophoresis, Western blot analysis, ELISAs, assays to assess post-translational modifications of membrane proteins, SELDI-profiling of integral and membrane associated proteins, and NHS ester labeling of membrane proteins for array detection with dyes or biotin. Each kit contains all the reagents needed for 20 reactions.

Components

Cat. No. 444810-1KITCN	
100 ml	Wash Buffer
40 ml	Extraction Buffer I
20 ml	Extraction Buffer II
450 µl	Protease Inhibitor Cocktail

Cat. No.	Product Description	Pack Size	Unit Price ₹
444810-1KITCN	ProteoExtract Membrane Prot. Extrct. Kit (M-PEK)	1 kit	44550

ProteoExtract® Complete Mammalian Proteome Extraction Kit

Fast and easy extraction of total proteins from mammalian cells and tissues

Features

- Improved solubilization of total cellular protein
- Ready-to-use proteins for 2D gel electrophoresis—no concentration needed
- Excellent spot resolution facilitated by nucleic acid digestion with Benzonase® Nuclease

The ProteoExtract® Complete Proteome Extraction Kit (C-PEK) is designed for fast and easy extraction of total proteins from mammalian cells and tissues, without the need for sonication or precipitation. C-PEK provides a straightforward two step isolation of complete proteomes in a single microcentrifuge tube. C-PEK uses optimized extraction reagents to provide improved protein solubilization, resulting in an increased number of resolved spots on 2D gels. The procedure uses proprietary Benzonase® Nuclease, a nonspecific nuclease leading to clear, nonviscous protein solutions and improved resolution on 2D gels. Using the C-PEK procedure, protein concentration is not necessary. Extracted proteins are ready for immediate use in standard downstream proteomics applications. Each kit contains all the reagents needed for 20 reactions (1 × 10⁸ to 2 × 10⁸ cells per reaction).

Components

Cat. No. 539779-1KITCN	
2 x 100 ml	Wash Buffer
3 ml	Resuspension Buffer
25 ml	Extraction Reagent
2.27 ml	Reducing Agent
1 vial	Benzonase Nuclease
1 vial	Glass Beads

Cat. No.	Product Description	Pack Size	Unit Price ₹
539779-1KITCN	PE Compl. Mamm. Proteome Extraction Kit (C-PEK)	1 kit	42830

ProteoExtract® Cytosol/Mitochondria Fractionation Kit

Selectively enrich for mitochondrial and cytosolic proteomes

Features

- No ultracentrifugation steps required
- Protein fractions are compatible with many downstream applications

The ProteoExtract® Cytosol/Mitochondria Fractionation Kit is designed for extraction of cellular proteomes from mammalian cells. The simple procedure utilizes unique extraction buffers to

deliver two distinct protein fractions: a mitochondrial fraction and a cytosolic fraction. The procedure is easy to perform and does not require ultracentrifugation. Protein fractions are suitable for many downstream applications including 1D and 2D gel electrophoresis, immunoblotting, and apoptotic- and signal transduction-related translocation studies. Each kit contains sufficient reagents to process 100 samples (5 × 10⁷ cells).

Components

Cat. No. QIA88-1KITCN	
10 ml	Mitochondria Extraction Buffer
20 ml	5X Cytosol Extraction Buffer
100 µl	DTT (1 M)
250 µl	Protease Inhibitor Cocktail

Cat. No.	Product Description	Pack Size	Unit Price ₹
QIA88-1KITCN	ProteoExtract Cytosol/Mitochondria Fractionation Kit	1 kit	43130

ProteoExtract® Tissue Dissociation Buffer Set

Buffer system to facilitate protein extraction from tissue samples

Features

- Compatible with many ProteoExtract kits
- Facilitates protein extraction from mammalian tissues or freshly-frozen samples

The ProteoExtract® Tissue Dissociation Buffer Set is a simple buffer system for the dissociation of fresh tissue. Fresh tissue is first minced into small pieces, washed with PBS, and incubated with Dissociation Buffer. Following the incubation, the tissue is strained using a tissue sieve. Due to the diversity of tissue samples, the optimal collagenase should be selected.

The ProteoExtract Tissue Dissociation Buffer Set is an accessory product for following kits:

- ProteoExtract Subcellular Proteome Extraction Kit (S-PEK, Cat. No. 539790)
- ProteoExtract Subcellular Proteome Extraction Kit, Mini (S-PEK Mini, Cat. No. 539791)
- ProteoExtract Native Membrane Protein Extraction Kit (M-PEK, Cat. No. 444810).

Cat. No.	Product Description	Pack Size	Unit Price ₹
539720-1KITCN	ProteoExtract Tissue Dissociation Buffer Kit	1 kit	37640

ProteoExtract® Protein Precipitation Kit

Selectively enrich for mitochondrial and cytosolic proteomes

Features

- Highest yields and quantitative protein recovery including low-molecular weight proteins
- High solubility of protein pellets

Sample analysis in proteomics can be affected by the presence of non-protein impurities, such as buffers, salts, and detergents, that interfere with electrophoretic separation. Further, proteins in solution are often too dilute for direct downstream applications. Precipitation of proteins can both concentrate the proteins and remove interfering substances in just one step.

The ProteoExtract® Protein Precipitation Kit offers a fast, efficient means of concentrating proteins and removing impurities from a variety of sources. Interfering substances such as detergents, chaotropes, buffer reagents, salts, and other impurities, remain in solution and can easily be separated from the precipitated proteins. This procedure is compatible with virtually any aqueous protein sample containing between 50 µg to 10 mg per milliliter protein. Precipitated proteins can be resuspended for applications such as IEF, 1DGE, 2DGE, or tryptic digestion before mass spectrometry and peptide separation. Kit contains reagents sufficient for 200 reactions for samples up to 200 µl. Includes 4 precipitants and Wash Solution.

Components

Cat. No. 539180-1KITCN	
5 x 29 ml	Precipitant 1
10 ml	Precipitant 2
10 ml	Precipitant 3
10 ml	Precipitant 4
65 ml	Wash Solution

Cat. No.	Product Description	Pack Size	Unit Price ₹
539180-1KITCN	ProteoExtract Protein Precipitation Kit	1 kit	34620

ProteoExtract® Albumin Removal Kits

Highly specific albumin removal

Features

- Efficient removal of albumin with albumin specific resin (not based on Cibacron™ technology)
- Highly selective, exhibiting little non-specific binding
- Increased loading of enriched sample on 2DGE or LC
- Fast, 20–30 minute protocols
- Easy, column-based procedure to process multiple samples in parallel

The ProteoExtract Albumin Removal Kits are based on a new affinity resin which is highly specific for albumin. Albumin depletion from a typical human serum sample is consistently higher than 80% without binding significant amounts of other serum proteins. The remarkable selectivity provided by this resin and the optimized design of these columns result in less than 10% background binding of other serum proteins. The gravity-flow and cartridge-style column formats minimize hands-on time, making them suitable for processing multiple samples in parallel. The high capacity, reusable cartridges are specifically designed for use either on an LC-instrument or manually (attached to a syringe). The albumin depletion procedure is convenient and straightforward: equilibrate, load the diluted sample, run through the column, wash the column, combine the collected flow-through and wash fractions, and concentrate the proteins. Depleted samples are compatible with 1DGE, 2DGE, LC/MS, and MALDI-TOF MS. These kits have been optimized to bind human serum albumin, but are also compatible with rabbit, rat, and mouse samples.

Each ProteoExtract Albumin Removal Kit contains 12 disposable columns pre-packed with 300 ml albumin-binding resin and a binding buffer for optimal resin performance. Resin binding capacity is 2 mg albumin per column at a flow rate of 0.1 ml/min with 10% breakthrough. Sample volumes of up to 60 ml can be processed without any loss of selectivity.

Each ProteoExtract Albumin Removal Kit, Maxi contains 2 cartridges pre-packed with 1 ml albumin-binding resin, a concentrated albumin-binding buffer, and an albumin removal buffer for optimal resin performance. The resin binding capacity is 6.1 mg albumin per cartridge at a flow rate of 0.1 ml/min with 10% breakthrough. Sample volumes from 90 to 180 ml can be processed without any loss of selectivity. Each cartridge can be reused for 10 samples (for a total of 20 samples).

Components

Cat. No. 122640-1KITCN	
12	ProteoExtract Albumin Removal Columns
55 ml	ProteoExtract Albumin Binding Buffer

Cat. No. 122641-1KITCN	
2	Albumin Removal Column, Maxi with Luer Lock Adapters
90 ml	Albumin Binding Buffer, 10X (250 mM sodium phosphate, pH 7.4)
70 ml	Albumin Removal Buffer (25 mM sodium phosphate, pH 8.0; 2 M NaCl)

Cat. No.	Product Description	Pack Size	Unit Price ₹
122640-1KITCN	ProteoExtract Albumin Removal Kit	1 kit	38730
122641-1KITCN	ProteoExtract Albumin Removal Kit, Maxi	1 kit	37400

ProteoExtract® Albumin/IgG Removal Kits

Enhancing resolution of low-abundance proteins

Features

- Efficient removal of albumin and IgG from serum samples
- Highly selective, exhibiting very little nonspecific binding
- Compatible with human, rabbit, rat, mouse, and pig serum samples
- Allows increased loading of enriched sample on 2D gel electrophoresis or LC
- Fast, 20–30 minute protocols
- Choice of gravity-flow column or LC-compatible cartridge

The ProteoExtract® Albumin/IgG Removal Kits use a combination of the albumins specific resin (as in the ProteoExtract Albumin Removal Kits) and a unique protein A polymeric resin. Depletion of albumin and IgG from typical human serum samples is consistently higher than 80% without binding significant amounts of other serum proteins. The excellent selectivity provided by these resins and the optimized design of the columns result in less than 10% background binding of other serum proteins. The gravity flow and cartridge-style column formats minimize hands-on time, allowing the parallel processing of multiple samples. The high capacity, reusable cartridges are specifically designed for use either on an LC-instrument or manually (attached to a syringe). The kit procedure is similar to the procedure described for the ProteoExtract Albumin Removal Kits. Depleted samples are compatible with downstream proteomics methods such as 1DGE, 2DGE, LC/MS, and MALDI-TOF MS. These kits have been optimized to bind human serum albumin and IgG, but will also deplete rabbit, rat, mouse, or pig samples effectively.

Each ProteoExtract Albumin/IgG Removal Kit contains 12 disposable gravity-flow columns pre-packed with 450 ml of a resin mix (albumin-removal resin plus the protein A IgG-removal resin) and an optimized binding buffer that promotes selective binding of albumin and IgG. The resin binding capacity of each column is 0.7 mg IgG and 2 mg albumin. Sample volumes up to 60 ml can be processed without any loss of selectivity.

Each ProteoExtract Albumin/IgG Removal Kit, Maxi contains 2 cartridges pre-packed with 1 ml albumin-binding resin, 1 cartridge pre-packed with the IgG removal resin, an albumin/IgG-binding buffer concentrate, an albumin-removal buffer, and an IgG-removal buffer for optimal resin performance. The resin binding capacities are 6.1 mg albumin per albumin-removal cartridge and 4.5 mg IgG per IgG-removal cartridge at a flow rate of 0.1 ml/min with 10% breakthrough. Sample volumes up to 90 to 180 ml can be processed per albumin-removal cartridge and up to 400 ml per IgG-removal cartridge without any loss of selectivity. Each albumin-removal cartridge can be reused for 10 samples (for a total of 20 samples) and each IgG-removal cartridge can be reused for 20 samples. These two types of cartridges can be used either independently or connected in series, taking the flow-through from one cartridge and loading it directly onto the second cartridge.

Components

Cat. No. 122642-1KITCN	
12	ProteoExtract Albumin/IgG Removal Columns
55 ml	ProteoExtract Albumin/IgG Binding Buffer

Cat. No. 122643-1KITCN	
2	Albumin Removal Column, Maxi with Luer Lock Adapters
1	IgG Removal Column, Maxi with Luer Lock Adapter
90 ml	Albumin/IgG Binding Buffer 10X (250 mM sodium phosphate, pH 7.4)
70 ml	Albumin Removal Buffer (25 mM sodium phosphate, pH 8.0; 2 M NaCl)
70 ml	IgG Removal Buffer (250 mM citric acid)

Cat. No.	Product Description	Pack Size	Unit Price ₹
122642-1KITCN	ProteoExtract Albumin/IgG Removal Kit	1 kit	38730
122643-1KITCN	ProteoExtract Albumin/IgG Removal Kit Maxi	1 kit	42460

ProteoExtract® All-in-One Trypsin Digestion Kit

High yield of tryptic peptides from many sample types

Features

- Compatible with a variety of protein sample types
- Digests proteins in gels or in solution
- Fast procedure: complete digestion in 3 hours
- 20–30% increase in sequence coverage

The ProteoExtract® All-in-One Trypsin Digestion Kit contains a set of optimized reagents that allows tryptic digests of various protein sample types: spots or bands excised from polyacrylamide gels, protein solutions, or cell and tissue extracts. The kit includes affinity-purified trypsin, which guarantees efficient digestion of protein samples regardless of their origin. High digestion efficiency results in excellent yields of tryptic peptides — even with hard-to-digest proteins — leading to improved LC-MS peak patterns and sequence coverage after MS analysis. This allows a comprehensive analysis of post-translational modifications such as phosphorylation site identification. The kit contains sufficient reagents for 100 reactions in samples containing up to 4 mg/ml protein. Includes Extraction Buffers, Extraction Buffer Solvent, Digest Buffer Reagent, Digest Buffer Reducing Agent, Blocking Agent, Trypsin, and Wash Buffer.

Components

Cat. No. 650212	
1 vial	Extraction Buffer 1
10 ml	E-Buffer Solvent 1 (buffer containing acetonitrile)
28 ml	Extraction Buffer 2 (buffer containing acetonitrile)
1 vial	D-Buffer Reagent (lyophilisate)
3 ml	Digest Buffer (buffer containing acetonitrile)
1 vial	Reducing agent (lyophilisate)
1 vial	Blocking agent (lyophilisate)
2 x 50 µg	Trypsin (lyophilisate)
28 ml	Wash buffer (buffer containing acetonitrile)

Cat. No.	Product Description	Pack Size	Unit Price ₹
650212-1KITCN	ProteoExtract All-In-1 Trypsin Digestion Kit	1 kit	38240

ProteoExtract® Phosphopeptide Enrichment TiO₂ Kit and Phosphopeptide Enrichment SCIMAC Kit

Isolate a more complete phosphopeptide fraction from complex protein samples

Features

- Enrich a wider pool of phosphopeptides with two complementary phosphopeptide binding methods
- Highly selective
- Low background
- Directly compatible with MALDI-MS and LC/ESI-MS

In eukaryotic cells, post-translational protein modifications such as phosphorylation and dephosphorylation occur in numerous metabolic pathways and in the transmission of signals that control proliferation, differentiation, and apoptosis. Dysregulation of the tightly controlled balance between phosphorylation and dephosphorylation may lead to serious pathological conditions. Therefore, determining the site of phosphorylation is therefore important to understanding essential signaling pathways and to gain insight into the molecular basis of diseases. The identification of phosphorylation sites is routinely accomplished by mass spectrometry (MS). Due to the high complexity of cellular proteome fractions, there is a general need for specific and efficient enrichment strategies of phosphorylated peptides prior to MS. Efficient enrichment strategies are necessary to compensate for the low stoichiometry of phosphopeptides relative to their unphosphorylated counterparts and for poor ionization and ion suppression effects inherent to MS analysis.

Of the different chemical- and affinity-based methods for phosphopeptide capture, no single method is sufficient for enrichment of the entire phosphoproteome. The two kits introduced here enrich for different, partially overlapping segments of the phosphoproteome, which is especially useful when working with complex samples. As a result of different binding mechanisms, maximum subsets of phosphopeptides are captured, regardless of peptide properties such as amino acid sequence, additional posttranslational modifications, and conformational features.

TiO₂ Kit

The TiO₂ Kit uses a novel titanium dioxide material to enable identification of large numbers of phosphorylated species from complex protein mixtures. Titanium dioxide is highly selective for phosphorylated peptides in the presence of abundant non-phosphorylated peptides. The protocol and buffers are optimized to produce high yields of the phosphopeptides. Enrichment and selectivity for phosphopeptides is further improved by using a 2,5-DHB "displacer" concentration that is directly compatible with LC-MS and MALDI-MS analysis. After enrichment, the predominant signals derive from phosphopeptide ions and the majority of nonphosphorylated peptides were removed. Only monophosphorylated phosphopeptides were detectable under these conditions.

SCIMAC Kit

The SCIMAC Kit utilizes two sequential batch chromatography steps. First, samples are applied to a strong cation exchange (SCX) resin. Non-acidic peptides bind to the SCX resin, allowing highly acidic peptides that interfere with downstream purification and analysis to be discarded with the supernatant. The eluted sample from the cation exchange step is applied to the MagPrep® Phosphobind Resin, a unique Zr²⁺-charged IMAC resin, which selectively captures phosphorylated peptides.

Components

Cat. No. 539722-1KITCN	
6 ml	TiO ₂ Phosphobind Resin
20 ml	TiO ₂ Phosphobind Buffer
20 ml	Wash Buffer 1
20 ml	Wash Buffer 2
3 ml	Elution Buffer
2 g	Dihydroxybenzoic Acid

Cat. No. 539723-1KITCN	
25 ml	10X Phosphobind Buffer
11 ml	SCX Resin
11 ml	SCX Elute Buffer
6 ml	MagPrep® Phosphobind
28 ml	Wash Buffer 1
28 ml	Wash Buffer 2
14 ml	Elution Buffer

Cat. No.	Product Description	Pack Size	Unit Price ₹
539722-1KITCN	ProteoExtract Phosphopeptide Enrichment TiO ₂ kit	1 kit	77570
539723-1KITCN	ProteoExtract Phosphopeptide SCIMAC Enrichment kit	1 kit	40890

ProteoExtract® Glycopeptide Enrichment Kit

Nonselective glycopeptides enrichment for parallel determination of glycan and peptide structure

Protein glycosylation influences crucial biological and pharmaceutically relevant events. Glycoanalysis studies of antibodies, receptors and other glycosylated proteins require highly sensitive, selective, efficient and reproducible methods for sample preparation and mass spectrometry (MS). Effective analysis requires glycopeptide enrichment to compensate for low abundance glycopeptides in complex mixtures and, subsequently, to enable glycan and attached peptide analysis by MS.

The ProteoExtract® Glycopeptide Enrichment Kit is designed to capture high-mannose, hybrid, and complex type glycosylated peptides from complex protein mixtures. The kit uses a proprietary ZIC® Glycocalture Resin. In combination with the included optimized buffers, the ZIC Glycocalture Resin is highly selective for glycosylated peptides in the presence of abundant non-glycosylated peptides. The protocol is optimized to allow efficient removal of non-glycosylated peptides with an almost complete glycopeptide recovery (as quantitatively assessed by N-Glycan mapping). It allows both site specific determination of the glycan structure and parallel analysis of the attached peptides. Glycopeptide enrichment

is non-specific and non-selective, without preference for particular glycan structures and without loss of distinct glycans. The enriched glycopeptide fraction is directly compatible with downstream analysis by MALDI and ESI-MS. One ProteoExtract® Glycopeptide Enrichment Kit provides sufficient reagents for 50 enrichment reactions. 10µl trypsin-digested protein sample with maximum glycopeptides concentration 2–4µg/µl can be processed in one reaction.

Components

ZIC® Glycocalture Resin 12.7 ml suspension, 50% slurry
ZIC® Binding Buffer 0.3 ml
ZIC® Wash Buffer 7.5 ml
ZIC® Elution Buffer 5.5 ml

Cat. No.	Product Description	Pack Size	Unit Price ₹
72103-3CN	PE Glycopeptide Enrichment Kit	1 kit	42710

ProteoEnrich™ CAT-X Kit

Fractionate proteins based on their net charge using non-denaturing conditions

Features

- Compatible with many downstream applications
- Convenient cartridge format compatible with syringes for manual processing and LC devices
- Reuse up to 10 times

The ProteoEnrich CAT-X Kit provides a convenient and reproducible method to fractionate the proteome of a given biological sample under non-denaturing conditions prior to downstream analysis by one- and two-dimensional gel electrophoresis, liquid chromatography, protein arrays, functional tests, such as activity assays and ELISA. The ProteoEnrich CAT-X Kit procedure fractionates proteins based on their binding to the strong cation exchange resin, Fractogel EMD SO₃⁻. Nearly the complete proteome binds to the matrix under slightly acidic conditions, and partial proteomes can be eluted with a salt gradient. Remove excess salt prior to 2D gel electrophoresis. The kit contains two CAT-X cartridges with luer lock adaptors, and optimized

buffers. The CAT-X cartridges can be used manually with a syringe or as liquid chromatography devices. Each cartridge binds up to 140 mg of a single protein or up to 5 mg of a complex protein mixture and can be reused at least 10 times.

Components

2	CAT-X Cartridge
50 ml	10X CAT-X Buffer
90 ml	5 M NaCl
1 pkg	Luer Lock Adaptors

Cat. No.	Product Description	Pack Size	Unit Price ₹
71532-3CN	PROTEOENRICH CAT-X KIT	1 kit	27260

PhosphoSafe™ Extraction Reagent

When phosphorylation state matters

Features

- Preserves phosphorylation state during extraction
- Compatible with kinase assays and other applications

PhosphoSafe™ Extraction Reagent efficiently extracts cytosolic proteins from mammalian and insect cells while preserving their phosphorylation state. This reagent contains the same formula as CytoBuster™ Protein Extraction Reagent (Trim 2001), but also includes four phosphatase inhibitors: sodium fluoride, sodium vanadate,

β-glycerophosphate, and sodium pyrophosphate. PhosphoSafe Reagent is compatible with kinase assays, protein interaction analysis, and other applications. This reagent is provided in convenient 25-ml bottles (1 bottle for 71296-3, 5 bottles for 71296-4).

Cat. No.	Product Description	Pack Size	Unit Price ₹
71296-3CN	Phosphosafe Extraction Reagent	25 ml	10900
71296-4CN		125 ml	41740



NOVEL DETECTION

- Protein Markers
- Reagents & Products for Western Blotting

5% Alkali-Soluble Casein (Unique blocking reagent for ultra-low background)

Alkali-Soluble Casein is a superior blocking reagent for Western blot applications. This preparation minimizes non-specific background relative to other blocking reagents, such as BSA, gelatin, or non-fat milk. Alkali-Soluble Casein is effective in colorimetric and chemiluminescent detection protocols. Note that due to its high coating properties, detection sensitivity for some antibodies may be lower than with other blocking reagents under the same conditions (although the background is also reduced); the concentration can be optimized for maximal signal:noise ratios. Supplied as a 5% w/v solution; recommended working concentration range is 0.25–1%

Cat. No.	Product Description	Pack Size	Unit Price ₹
70955-3CN	5% Alkali-Soluble Casein	225 ml	7190

AP Detection Reagent Kit

The AP Detection Reagent Kit includes standardized solutions of 3-bromo-4-chloro-5-indolyl phosphate (BCIP) and nitro blue tetrazolium (NBT), plus 20X AP Buffer, for sensitive chromogenic detection of alkaline phosphatase conjugates. With the NBT/BCIP system, positive bands turn a deep blue-violet color that resists fading.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69264-3CN	AP Detection Reagent Kit	1 ea	10590
69264-4CN		5 ea	39190

BCA Protein Assay Kit (for Simple And Reliable Protein Quantification)

The BCA protein assay is based on a biuret reaction, which is the reduction of Cu²⁺ to Cu⁺ by proteins in an alkaline solution with concentration-dependent detection of the monovalent copper ions. Bicinchoninic acid is a chromogenic reagent that chelates the reduced copper, producing a purple complex with strong absorbance at 562 nm (Smith 1985, Wiechelman 1988). This assay can be used to quantify protein concentration with a wide variety of samples and can be performed in minutes.

The Novagen® BCA Protein Assay Kit can be used to determine protein concentration in the range of 20–2000 µg/ml in either a standard assay or microassay configuration. Kit components are sufficient to complete 500 standard-size reactions (50 µl protein sample plus 1 ml reagent) or 2500 micro-scale reactions (25 µl protein sample plus 200 µl reagent). A BSA standard (2 mg/ml) is provided for convenient and reliable preparation of standard curves.

This assay is robust and can be performed in the presence of many compounds. Some reagents, including chelating agents, strong acids or bases, and reducing agents, interfere with the reduction and chelating reactions on which this assay depends (Brown 1989). The BCA assay is compatible with the following Novagen protein extraction and lysis reagents: BugBuster® Protein Extraction Reagent, PopCulture® Reagent, CytoBuster™ Protein Extraction Reagent, Reportasol™ Extraction Buffer, and Insect PopCulture Reagent.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71285-3CN	BCA Protein Assay Kit for	500 assays	16410

BLOT-QuickBlocker(TM) Reagent

A unique modified milk protein that can be used as a blocking agent in Western blots, dot blots and ELISA, including dilution of primary and secondary antibodies. In contrast to dry milk powder, BLOT-QuickBlocker™ Reagent is a semi-clear 2–5% solution when dissolved in TBST or PBST, allowing for examination of blot membranes during the blotting procedure. BLOT-QuickBlocker™ Reagent has a high blocking efficiency, blocks within 15–20 minutes, produces a clear background, and does not inhibit peroxidase

ADVANTAGES

- Readily soluble and produces a stable solution that can be reused
- Fat free
- Does not inhibit peroxidase
- Produces clear background
- Offers higher blocking efficiency
- Blocking time is 15–60 min

Cat. No.	Product Description	Pack Size	Unit Price ₹
WB57-175GMCN	BLOT-QuickBlocker(TM) Reagent	175 gm	7550

BrdU Immunohistochemistry System

Useful for the detection of proliferating cells within fixed tissue samples or cell populations. Requires metabolic incorporation of BrdU (Cat. No. 203806-5GMCN) into sample prior to paraffin-embedding.

Product information

Detection method - Microscopy

Assay time - ~2.5 hours plus labeling time

Sample type -Paraffin-embedded tissues or fixed cells

Positive control - Any cell or tissue sample labeled with BrdU

Cat. No.	Product Description	Pack Size	Unit Price ₹
HCS30-1EACN	BrdU Immunohistochemistry System	50 Tests	52580

CB-Protein Assay Kit

A simple and rapid method for the estimation of protein concentration. Based on an improved Coomassie dye reagent. Reaches a stable endpoint in 5 minutes. Compatible with reducing reagents, but not suitable for use with solutions containing detergents.

Product information

Format - cuvette or 96-well plate

Form -500 tube assays or 5000 microwell plate assays

Cat. No.	Product Description	Pack Size	Unit Price ₹
219468-1KITCN	CB-Protein Assay Kit	50 Tests	23980

Development Folders

Transparent support for chemiluminescent exposures

Development Folders provide a wrinkle-free and transparent support for exposure of blots during chemiluminescent detection. For unambiguous orientation of the developed X-ray film to the blot, gLOCATOR™ Luminescent Labels can be applied to the Development Folder.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69137-3CN	Development Folders	25 ea	4510

Fluorescent Mounting Media, Aqueous

An aqueous mounting medium designed to preserve and enhance the labeling of immunoreactivity in tissue sections. Sustains the fluorescent signal from labeled samples on slides. Inclusion of 4,6-diamidino-2-phenylindole (DAPI; Cat. No.268298-10MGCN) allows for the visualization of unlabeled (non-apoptotic) cells. Suitable for use with a wide variety of fluorophores.

Cat. No.	Product Description	Pack Size	Unit Price ₹
HC08-8MLCN	Fluorescent Mounting Media, Aqueous	8 ml	7550

FluorPreserve Reagent

A water-soluble, non-fluorescent mounting medium. Mounting slides with this material may reduce fluorochrome quenching during analysis. This mounting medium also provides a semi-permanent seal for long-term storage of slide preparations. Can be used in conjunction with Fluorescein, Rhodamine, Texas Red, Cy2, Cy3, Cy5, Phycocerythrin, and Allophycocyanin.

Cat. No.	Product Description	Pack Size	Unit Price ₹
345787-25MLCN	FluorPreserve Reagent	25 ml	10100

FluorSave Reagent

Aqueous mounting medium for use in conjunction with fluorescent tracers such as fluorescein, rhodamine, and phycobiliprotein probes. Preserves fluorescence-stained tissue sections. Specially formulated without glycerol. Ideal for use with phycobiliprotein tracers.

Cat. No.	Product Description	Pack Size	Unit Price ₹
345789-20MLCN	FluorSave Reagent	20 ml	8880

ImmunoPen

Designed to minimize waste of antibody in immunostaining techniques on paraffin sections, frozen sections, or cytology preparations. When applied in a circle around the specimen, forms a hydrophobic barrier, retaining antibody. Sufficient for 500-800 individual applications.

Cat. No.	Product Description	Pack Size	Unit Price ₹
402176-1EACN	ImmunoPen	1 ea	7550

MCF7 Cell Pellet (10 LANES)

A human breast adenocarcinoma cell line with an epithelial cell morphology that was originally isolated from a pleural effusion. Useful as a positive control Western blotting of various proteins, such as estrogen receptors and the insulin-like growth factor binding proteins (IGFBP) BP-2, BP-4, and BP-5.

Cat. No.	Product Description	Pack Size	Unit Price ₹
WB39-10LANECN	MCF7 Cell Pellet	10 lane	14000

MOWIOL 4-88 Reagent

Used for mounting cells on slides for detection of cell-surface antigens by immunofluorescence. Useful as an anti-fading agent.

Cat. No.	Product Description	Pack Size	Unit Price ₹
475904-100GMCN	MOWIOL 4-88 Reagent	100 gm	10100

Non-Interfering Protein Assay Kit (Accurate protein quantification from solutions containing interfering compounds)

An easy-to-use protein assay that overcomes interference of agents found in protein solutions including detergents, chelating agents, reducing agents, amines, sugars, urea, and others. The Universal Protein Precipitating Agent (UPPA™ Reagent) is used to precipitate and immobilize the protein in the tube while the interfering reagents are removed. Protein concentration is based on the specific binding of copper to the peptide backbone. As the protein concentration increases, the concentration of unbound copper ions decreases, and the color density is inversely related to the amount of protein present in solution.

Format- Cuvette or 2 ml, 96-deep-well plate Form -500 Tests
Detection method -Colorimetric

Cat. No.	Product Description	Pack Size	Unit Price ₹
488250-1KTTCN	Non-Interfering Protein Assay Kit	1 kit	39920

Perfect Protein™ AP Western Blot Kit (Accurate size markers detectable on any Western blot)

Product information

Form Liquid

Avoid freeze/thaw Yes

Features and benefits

- Detect markers simply by adding the S-protein (AP or HRP Conjugate) or His•Tag® Monoclonal Antibody to the same incubation used for sample detection.
- S-protein conjugate (included in kits) does not interfere with antibodies or streptavidin detection.
- Can be used with colorimetric and chemiluminescent AP or HRP substrates.
- Recombinant, unmodified markers give sharp, accurately sized bands.
- Markers are supplied at the working dilution in gel loading buffer; concentration optimized for Western detection.
- Protein sizes are 15, 25, 35, 50, 75, 100, and 150 kDa.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69965-3CN	Perfect Protein™ AP Western Blot Kit	25 blots	16790

Perfect Protein™ HRP Western Blot Kit (Accurate size markers detectable on any Western blot)

The Perfect Protein™ HRP Western Blot Kit includes an HRP Conjugate in addition to the Perfect Protein™ Western Markers (Cat. No. 69959). For a version containing prestained proteins for tracking electrophoresis and Western transfer, please refer to our complete listing of Trail Mix™ Western Markers and Blot Kits.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69078-3CN	Perfect Protein™ HRP Western Blot Kit	25 blots	16790

Perfect Protein Marker

The Perfect Protein™ Markers are a novel set of recombinant proteins with defined sizes at convenient intervals. Designed for routine use in SDS-polyacrylamide gel electrophoresis, the Perfect Protein Markers enable highly accurate size determination of unknown samples. They contain no oligosaccharides that cause anomalous migration, heterogeneous "fuzzy" bands, or inaccurate size estimation. The markers are optimized for use with Coomassie blue staining, but adjusted amounts can also be used with other gel staining methods (e.g., silver staining, fluorescent dyes, etc.).

The Perfect Protein Markers, 15-150 kDa, include protein sizes of 15, 25, 35, 50, 75, 100, and 150 kDa. Each vial contains 400 µg protein. A 5-µl load contains 0.5 µg for each of the protein sizes, except for the 50-kDa band, which contains twice as much protein (1.0 µg).

The Perfect Protein Markers, 10-225 kDa, include the protein sizes listed above and two additional proteins, 10 kDa and 225 kDa, for applications requiring a broader size range. Each vial contains 500 µg protein. A 5-µl load contains 0.5 µg for each of the protein sizes, except for the 50-kDa band, which contains twice as much protein (1.0 µg).

Cat. No.	Product Description	Pack Size	Unit Price ₹
69149-3CN	Perfect Protein Mkr, 15-150kDa	100 lanes	11290
69079-3CN	Perfect Protein Mkr, 10-225kDa	100 lanes	10970

Perfect Protein™ Western Markers

The Perfect Protein™ Western Markers consist of seven recombinant S•Tag™/His•Tag® fusion proteins that can be detected on any Western blot using an S-protein AP or HRP conjugate. As an additional option, the markers can also be detected with an His•Tag Monoclonal Antibody and an AP or HRP conjugated secondary antibody. The Perfect Protein Western Markers serve as precise size standards that appear simultaneously on the blot with target proteins, eliminating the uncertainty and imprecision associated with other methods.

For ease of convenience, please consider the Perfect Protein AP Western Blot Kit (Cat. No. 69965), or the Perfect Protein HRP Western Blot Kit (Cat. No. 69078). For a version containing prestained proteins for tracking electrophoresis and Western transfer, please refer to our complete listing of Trail Mix™ Western Markers and Blot Kits.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69959-3CN	Perfect Protein™ Western Markers	25 lanes	5590

Protein Molecular Weight Markers, HPLC

Contains five highly purified proteins ranging in molecular weight from 12.4 kDa to 290 kDa. Formulated to give peaks of approximately the same intensity for each protein when run on a TSK-Gel G300SW column after reconstituting with elution buffer and monitored at 280 nm. Markers include: cytochrome c, 12,400; myokinase, 32,000; enolase, 67,000; lactate dehydrogenase, 142,000; and glutamate dehydrogenase, 290,000. Note: 5T = 5 Tests.

Cat. No.	Product Description	Pack Size	Unit Price ₹
539053-5TCN	Protein Molecular Weight Markers, HPLC	5 tests	21300

RapidStep ECL Reagent (Chemiluminescent Substrate, Single Step)

RapidStep™ ECL is a 1 STEP chemiluminescent substrate reagent for detection of horseradish peroxidase (HRP) on immunoblots. It is a convenient, cost-effective, and ready-to-use reagent that provides a superior, longer-lasting signal than traditional ECL reagents. RapidStep™ contains luminol and enhancer combined in one solution and is ready-to-use without mixing. A spray bottle is used to apply the solution directly onto the membrane.

Cat. No.	Product Description	Pack Size	Unit Price ₹
345818-100MLCN	RapidStep ECL Reagent	100 ml	21990

Redalert 10X Western Blot Stain

RedAlert™ stain is used to visualize protein transferred to membranes prior to Western blot analysis or protein sequencing by Edman degradation. RedAlert stain binds reversibly to proteins on nitrocellulose and PVDF membranes and can also stain proteins bound to cellulose acetate. The RedAlert Stain binds positively charged amino groups and nonpolar regions of proteins, resulting in reddish-pink bands. This stain can be used to verify transfer of proteins before immunological detection on nitrocellulose or PVDF membranes or to detect blood serum proteins on cellulose acetate media. Because the stain is reversible, it is a good choice for detecting proteins prior to protein sequencing or HPLC analysis. The sensitivity of the stain is approximately 50 ng of protein. The RedAlert Stain is provided as a 10X solution.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71078-3CN	Redalert 10X Western Blot Stain	50 ml	6090

SATA (N-Succinimidyl-S-acetylthioacetate)

A useful agent for introducing thiol groups, in protected form, into various proteins. Reacts with primary amines to add protected sulfhydryl groups. When treated with hydroxylamine, yields a free sulfhydryl group that can be conjugated to maleimide-modified proteins.

Cat. No.	Product Description	Pack Size	Unit Price ₹
573100-100MGCN	SATA (N-Succinimidyl-S-acetylthioacetate)	100 mg	12050

4X SDS Sample Buffer

The 4X SDS Sample Buffer is a standard formulation commonly used for SDS-PAGE analysis of proteins. The solution includes DTT for complete denaturation of disulfide bonds. The buffer can be used at 2X for most applications

Cat. No.	Product Description	Pack Size	Unit Price ₹
70607-3CN	4X SDS Sample Buffer	2 ml	3650

SeaBlock Reagent, Salmon Plasma

A ready-to-use blocking reagent for Western blotting and immunoassays. Contains salmon plasma proteins that do not interact with mammalian antibodies, thus offering a reduced background.

Formulation - In PBS, 0.09% NaN₃, pH 7.4.

Cat. No.	Product Description	Pack Size	Unit Price ₹
558300-500MLCN	SeaBlock Reagent, Salmon Plasma	500 ml	17770

SignalBoost Immunoreaction Enhancer Kit

SignalBoost™ Immunoreaction Enhancer Kit is designed to enhance the desired signal in assays such as immunoblotting, dot blotting, and ELISA. This kit significantly improves sensitivity and discrimination when assessing protein targets of low immunoreactivity or low expression levels. Enhancement of signal is especially marked for low affinity antibodies. It replaces conventional antibody diluents with Solution 1, which is used to dilute primary antibodies and Solution 2, which is used to dilute secondary antibodies. No additional steps, materials, or increase of assay time is required.

- Increases signal: minimizes background resulting in high signal to noise ratios
- Versatile: can be used with nitrocellulose or PVDF membranes and is compatible with chemiluminescent or colorimetric detection systems
- Convenient: ready-to-use format, no dilution necessary

Cat. No.	Product Description	Pack Size	Unit Price ₹
407207-1KITCN	SignalBoost Immunoreaction Enhancer Kit	1 kit	25680

SMCC (Succinimidyl-trans-4-(N-maleimidylmethyl) cyclohexane-1-carboxylate)

Heterobifunctional reagent useful for enzyme labeling of antibodies and antibody fragments. Cross-links both a sulfhydryl group and a free amine group. Useful for sequential conjugation to minimize polymerization.

Cat. No.	Product Description	Pack Size	Unit Price ₹
573114-50MGCN	SMCC	50 mg	12050
573114-100MGCN		100 mg	18500
573115-50MGCN	SMCC, Water-Soluble	50 mg	15940

SPDP (Succinimidyl 3-(2-pyridyldithio) propionate)

A heterobifunctional cross-linker. Reagent similar to SATA, useful for introducing protected thiol groups into a variety of proteins. Treatment with DTT releases the chromophore 2-pyridylthione and a mercaptopropionyl-modified amine. This thiolated biomolecule can then be coupled to a second biomolecule through an iodoacetamide or maleimide group. In addition, the thiolated biomolecule can be reacted with a second pyridyldisulfide-containing biomolecule.

Cat. No.	Product Description	Pack Size	Unit Price ₹
573112-50MGCN	SPDP	50 mg	12050

Strep•Tag® II Perfect Protein™ Markers, 16–100 kDa, Lyophilized (Accurate, convenient molecular weight determination by SDS-PAGE and immunoblotting)

The Perfect Protein™ Markers are a novel set of recombinant proteins with defined sizes at convenient intervals. Designed for routine use in SDS-polyacrylamide gel electrophoresis, the Perfect Protein Markers enable highly accurate size determination of unknown samples. Unlike many conventional markers (e.g., ovalbumin, serum albumin, etc.), the Perfect Protein Markers contain no oligosaccharides that cause anomalous migration, heterogeneous “fuzzy” bands, or inaccurate size estimation. The markers are optimized for use with Coomassie blue staining, but adjusted amounts can also be used with other gel staining methods (e.g., silver staining, fluorescent dyes, etc.).

Cat. No.	Product Description	Pack Size	Unit Price ₹
71614-3CN	Strep•Tag® II Perfect Protein™ Markers, 16–100 kDa, Lyophilized	100 lanes	26410

THIOLYTE® Monobromobimane Reagent, Fluorescent Labeling Compound

Has been used to label E. coli thioredoxin. Weakly fluorescent but reacts with thiols to yield highly fluorescent stable thioethers.

Cat. No.	Product Description	Pack Size	Unit Price ₹
596105-25MGCN	THIOLYTE® Monobromobimane Reagent, Fluorescent Labeling Compound	25 mg	12050
596105-100MGCN		100 mg	38700
596105-250MGCN		250 mg	64260

Trail Mix™ AP Western Blot Kit

- Trail Mix™ Western Markers contain three prestained indicator proteins plus eight unstained Perfect Protein Western Markers.
- The Trail Mix markers are supplied at concentrations optimized for detection by Western blot.
- Kits contain S-protein AP or HRP Conjugate for convenient Western blot detection of markers.
- Conjugates can be added together with secondary antibody or streptavidin conjugates for simultaneous detection of target proteins and markers.
- Markers are supplied at the working dilution in gel loading buffer.
- Prestained proteins migrate at 15, 16, and 100 kDa. Proteins detected on Western blots are 15, 25, 35, 50, 75, 100, 150, and 225 kDa.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71047-3CN	Trail Mix™ AP Western Blot Kit	25 blots	20200
71048-3CN	Trail Mix™ HRP Western Blot Kit	25 blots	17400

Trail Mix™ Protein Markers

Novel protein markers for visible tracking and accurate sizing in stained gels

Trail Mix™ contains three prestained indicator proteins mixed with protein markers. Allows direct visualization of protein migration during electrophoresis. Markers are supplied at the working dilution in gel loading buffer; concentration optimized to Coomassie blue staining. Prestained proteins migrate at 15, 16, and 100 kDa. Protein sizes detected on Western blots are 15, 25, 35, 50, 75, 100, 150, and 225 kDa

Cat. No.	Product Description	Pack Size	Unit Price ₹
70980-3CN	Trail Mix Protein Markers	100 lanes	13960

Trail Mix Western Markers

Form - Liquid

- Trail Mix™ Western Markers contain three prestained indicator proteins plus eight unstained Perfect Protein Western Markers.
- The Trail Mix markers are supplied at concentrations optimized for detection by Western blot.
- Kits contain S-protein AP or HRP Conjugate for convenient Western blot detection of markers.
- Conjugates can be added together with secondary antibody or streptavidin conjugates for simultaneous detection of target proteins and markers.
- Markers are supplied at the working dilution in gel loading buffer.
- Prestained proteins migrate at 15, 16, and 100 kDa. Proteins detected on Western blots are 15, 25, 35, 50, 75, 100, 150, and 225 kDa.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70982-3CN	Trail Mix Western Markers	25 lanes	10100

Western-Re-Probe™ Reagent

Designed to dissociate and remove antibodies from membrane-bound proteins without destroying antigenic binding capacity. Recommended for stripping chemiluminescent or radioisotopic signals from blots. Not recommended for stripping color-producing Western blots. Supplied as a 5X solution sufficient for stripping 25-30 standard blots. A special formulation designed to dissociate and remove antibodies from the membrane bound protein without destroying the antigenic binding affinity.

Cat. No.	Product Description	Pack Size	Unit Price ₹
WB59-100MLCN	Western-Re-Probe™ Reagent	100 ml	17890

MOLECULAR BIOTOOLS

- Antibodies for Detection
- Competent Cells
- DNA Molecular Weight Markers & Ladders
- Nucleic Acid Purification Kits
- PCR Cloning Kits
- PCR Tools

KOD Hot Start DNA Polymerase

Heat-activatable form of KOD DNA Polymerase for increased specificity and convenient PCR setup

Features

- Highest accuracy, yield, and processivity of commercially available proofreading DNA polymerases
- Amplifies genomic DNA templates up to 12 kb
- Amplifies plasmid and lambda DNA templates up to 21 kb
- Eliminates mispriming and primer-dimer formation
- Convenient ambient-temperature setup compatible with automation
- Optimal KOD Hot Start Buffer for robust PCR performance with a wide range of targets

KOD Hot Start DNA Polymerase is a premixed complex of high-fidelity KOD DNA Polymerase and two monoclonal antibodies that inhibit the DNA polymerase and 3'→5' exonuclease activities at ambient temperatures. KOD Hot Start combines the high fidelity, fast extension speed, and outstanding processivity of KOD with the high specificity of an antibody-mediated hot start. Non-specific amplification is reduced because mispriming events during setup and initial temperature increase are avoided. In addition, primer degradation due to exonuclease activity during setup at ambient temperature is effectively inhibited. The enzyme is compatible with site directed mutagenesis protocols.

Unit definition: One unit is defined as the amount of enzyme that will catalyze the incorporation of 10 nmol dNTP into acidinsoluble form in 30 min at 75°C, in a reaction containing 20 mM Tris-HCl (pH 7.5 at 25°C), 8 mM MgCl₂, 7.5 mM DTT, 50 mg/ml BSA, 150 µM each of dATP, dCTP, dGTP, dTTP (a mix of unlabeled and [3H]dTTP), and 150 µg/ml activated calf thymus DNA.

Components

200 U or 5 × 200 U	KOD Hot Start DNA Polymerase (1.0 U/µl)
1.2 ml or 5 × 1.2 ml	10X PCR Buffer for KOD Hot Start DNA Polymerase
1 ml or 5 × 1 ml	25 mM MgSO ₄
1 ml or 5 × 1 ml	dNTP Mix (2 mM each)

Cat. No.	Product Description	Pack Size	Unit Price ₹
71086-5CN	KOD Hot Start DNA Polymerase	20 U	7290
71086-3CN		200 U	26070
71086-4CN		1000 U	110250

KOD Hot Start Master Mix

Premixed 2X KOD Hot Start PCR components for convenience and reproducibility

KOD Hot Start Master Mix is a ready-to-use 2X mixture optimized for convenient high-fidelity PCR. The mix contains KOD Hot Start DNA Polymerase, two monoclonal antibodies, ultrapure deoxynucleotides, and reaction buffer with MgSO₄. The Master Mix simplifies PCR set-up, offering time savings, consistency, and minimal risk of contamination. The mix is ideal for use in high-throughput applications. This master mix quickly and accurately amplifies genomic and phage/plasmid DNA targets to 12 kb and 20 kb respectively. Simply add KOD Hot Start Master Mix to an equal volume of sample containing DNA template and primers. The final diluted reaction contains 1 U KOD Hot Start DNA Polymerase per 50 µl reaction. The smaller size is sufficient for 100 × 50 µl reactions or 250 × 20 µl reactions. The larger size is adequate for 500 × 50 µl reactions or 1250 × 20 µl reactions.

Components

2 × 1.25 ml or 10 × 1.25 ml	KOD Hot Start Master Mix
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Cat. No.	Product Description	Pack Size	Unit Price ₹
71842-3CN	KOD Hot Start Master Mix	100 rxn	21880
71842-4CN		500 rxn	84530

KOD Xtreme™ Hot Start DNA Polymerase

KOD system optimized for difficult targets

Features and Benefits

- Optimized for the highest PCR success rate, even with the most difficult targets
- Efficiently amplifies up to 90% GC-content templates
- 10X higher fidelity than *Taq* blends
- Amplifies genomic targets up to 24 kb
- Amplifies plasmid/lambda targets up to 40 kb
- Eliminates mispriming and primer-dimer formation
- Convenient ambient-temperature setup compatible with automation

The KOD Xtreme™ Hot Start DNA Polymerase kit is an optimized PCR system for the amplification of long or GC-rich DNA templates. The system includes an ultra high fidelity KOD DNA polymerase complexed with two monoclonal antibodies to permit hot start thermocycling, along with specially formulated 2X buffer. KOD Xtreme Hot Start DNA Polymerase quickly and accurately amplifies genomic and phage/plasmid DNA targets up to 24 and 40 kb, respectively. It successfully amplifies challenging DNA templates with up to 90% GC content. Each kit provides 200 U KOD Xtreme Hot Start DNA Polymerase, an optimized buffer, and dNTPs sufficient for 200 amplification reactions.

The polymerase produces blunt ended DNA products suitable for cloning with the Novagen® Perfectly Blunt® and LIC Vector Kits.

Components

1 × 200 U	KOD Xtreme Hot Start DNA Polymerase
3 × 1.7 ml	2X Xtreme Buffer
2 × 1 ml	dNTPs (2 mM each)

Cat. No.	Product Description	Pack Size	Unit Price ₹
71975-3CN	KOD Xtreme™ Hot Start DNA Polymerase	200 U	44060

KOD XL DNA Polymerase

High performance enzyme blend for long and accurate PCR

Features

- Ideal for amplification of large DNA fragments from purified DNA or crude samples
- Amplifies DNA templates up to 30 kb
- Successfully amplifies GC-rich sequences
- Efficiently incorporates derivatized dNTPs

KOD XL DNA Polymerase is an optimized blend of KOD DNA Polymerase and a mutant form of KOD that is deficient in 3'→5' exonuclease activity. This enzyme mixture is designed for reliable amplification of long, complex targets with robust yield and high accuracy. It can also be used for incorporation of derivatized dNTPs in PCR amplicons. KOD XL DNA Polymerase generates a mixture of PCR products with blunt and 3'-dA overhangs, suitable for cloning with the Novagen® Perfectly Blunt®, AccepTor™, and LIC Vector Kits.

Unit definition: One unit is defined as the amount of enzyme that will catalyze the incorporation of 10 nmol of dNTP into acid-insoluble form in 30 min at 75°C, in a reaction containing 20 mM Tris-HCl (pH 7.5 at 25°C), 8 mM MgCl₂, 7.5 mM DTT, 50 mg/ml BSA, 150 µM each of dATP, dCTP, dGTP, dTTP (a mix of unlabeled and [3H]dTTP), and 150 µg/ml activated calf thymus DNA.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71087-3CN	KOD XL DNA Polymerase	250 U	36640
71087-4CN		1250 U	143610

KOD DNA Polymerase

Pure recombinant high fidelity DNA polymerase from *Thermococcus kodakaraensis* KOD1

Features and Benefits

- More accurate PCR in a shorter time
- Higher fidelity than *Pfu* DNA polymerase— excellent for cloning
- Greater yield—extension speed is 2X faster than *Taq* DNA polymerase and 5X faster than *Pfu* DNA polymerase
- Higher processivity—sequential nucleotide polymerization is 10 to 15-fold greater than *Pfu* and *Tli* DNA polymerases
- Does not result in truncated amplification products

KOD DNA Polymerase is a recombinant form of *Thermococcus kodakaraensis* KOD1 DNA polymerase. KOD is a high-fidelity thermostable polymerase that amplifies target DNA up to 6 kb with superior accuracy and yield. The 3'→5' exonuclease-dependent proofreading activity of the enzyme results in a lower mutation frequency than any other commercially available DNA polymerase. The elongation rate and processivity are 5 times and 10 to 15 times higher, respectively, than for *Pfu* DNA polymerase, resulting in highly accurate products and robust yield in a short reaction time. The enzyme generates blunt-ended PCR products suitable for cloning with the Novagen® Perfectly Blunt® and LIC Vector Kits.

Unit definition: One unit is defined as the amount of enzyme that will catalyze the incorporation of 10 nmol of dNTP into acid-insoluble form in 30 min at 75°C, in a reaction containing 20 mM Tris-HCl (pH 7.5 at 25°C), 8 mM MgCl₂, 7.5 mM DTT, 50 mg/ml BSA, 150 µM each of dATP, dCTP, dGTP, dTTP (a mix of unlabeled and [3H]dTTP) and 150 µg/ml activated calf thymus DNA.

Components

250 U	KOD DNA Polymerase (2.5 U/µl)
1 ml	10X Buffer #1 for KOD DNA Polymerase (pH 8.0)
1 ml	10X Buffer #2 for KOD DNA Polymerase (pH 8.8)
1 ml	25 mM MgCl ₂
1 ml	dNTP Mix (2 mM each)

Cat. No.	Product Description	Pack Size	Unit Price ₹
71085-3CN	KOD DNA Polymerase	250 U	35400

NovaTaq™ Hot Start DNA Polymerase

Heat-activatable, chemically modified form of recombinant *Taq* DNA polymerase

Features

- Higher PCR specificity and yield
- Improved low-copy target amplification
- Ambient temperature setup compatible with automation
- Target amplification of up to 5 kb
- Ideal for quantitative and high-throughput PCR applications

NovaTaq™ Hot Start DNA Polymerase is a chemically modified form of *Taq* DNA polymerase that is inactive at ambient temperature. The enzyme provides improved specificity when compared to standard *Taq* DNA polymerase and can minimize the generation of nonspecific amplification products, such as primer-dimers and misprimed products. The enzyme must be activated by heat treatment (7–10 min at 95°C), after which thermal cycling can proceed. The enzyme generates PCR products with 3'-dA overhangs, suitable for cloning with the Novagen® Perfectly Blunt®, AccepTor™, and LIC Vector Kits.

Unit definition: one unit is defined as the amount of enzyme that will catalyze the incorporation of 10 nmol of dNTP into acid-insoluble form in 30 min at 72°C, in a reaction containing 25 mM TAPS (tris-[hydroxymethyl]-methyl-aminopropane- sulfonic acid, sodium salt), pH 9.3 at 25°C, 50 mM KCl, 2 mM MgCl₂, 1 mM 2-mercaptoethanol, 0.2 mM dATP, dGTP, and dTTP, 0.1 μM [α -³²P] dCTP, and 12.5 μg activated salmon sperm DNA in a volume of 50 μl.

Components

250 U or 5 × 250 U	NovaTaq Hot Start DNA Polymerase
1.5 ml or 5 × 1.5 ml	10X NovaTaq Hot Start Buffer
1.5 ml or 5 × 1.5 ml	25 mM MgCl ₂

Cat. No.	Product Description	Pack Size	Unit Price ₹
71091-3CN	NovaTaq™ Hot Start DNA Polymerase	250 U	18340
71091-4CN		1250 U	18340

NovaTaq™ Hot Start Master Mix Kit

Premixed 2X "hot start" PCR components for convenience and reproducibility

NovaTaq Hot Start Master Mix provides a ready-to-use 2X mixture of NovaTaq Hot Start DNA Polymerase, ultrapure deoxynucleotides, and reaction buffer with MgCl₂. The Master Mix simplifies the set-up for PCR resulting in time savings, consistency, and minimal risk of contamination. In addition to the Master Mix, the kit includes PCR Grade Water and MgCl₂ for optimizing Mg²⁺ concentration. Simply add the NovaTaq Hot Start Master Mix to an equal volume

containing DNA template, primers, and, if desired, additional MgCl₂. The final diluted reaction contains 1.25 U of NovaTaq Hot Start DNA Polymerase per 50 μl. The two NovaTaq Hot Start Master Mix Kit sizes provide sufficient components for 200 or 1000 standard 50-μl amplification reactions.

Components

4 × 1.25 ml or 20 × 1.25 ml	NovaTaq Hot Start Master Mix
1 × 1.5 ml or 3 × 1.5 ml	25 mM MgCl ₂
3 × 2 ml or 11 × 2 ml	PCR Grade Water

Cat. No.	Product Description	Pack Size	Unit Price ₹
71676-3CN	NovaTaq™ Hot Start Master Mix Kit	200 rxn	24480
71676-4CN		1000 rxn	109260

NovaTaq™ DNA Polymerase

Ultrapure recombinant enzyme for dependable PCR amplification

NovaTaq™ DNA Polymerase is a premium quality recombinant form of *Thermus aquaticus* DNA polymerase. This thermostable enzyme is suitable for a wide range of PCR applications. To ensure the highest purity and reproducible performance, each preparation is extensively tested in a variety of quality control assays. NovaTaq DNA Polymerase has 5' → 3' exonuclease activity and lacks 3' → 5' exonuclease activity. The enzyme generates PCR products with 3'-dA overhangs, suitable for cloning with the Novagen® Perfectly Blunt®, AccepTor™, and LIC Vector Kits. Each kit also includes optimized 10X NovaTaq Buffer with 15 mM MgCl₂ for routine amplification conditions, plus separate vials of 10X NovaTaq Buffer without MgCl₂ and 25 mM MgCl₂ to enable convenient optimization of Mg²⁺ concentration.

Unit definition: one unit is defined as the amount of enzyme that will catalyze the incorporation of 10 nmol dNTP into acid-insoluble form in 30 min at 74°C, in a reaction containing 25 mM TAPS (tris-[hydroxymethyl]-methyl-aminopropane- sulfonic acid, sodium salt), pH 9.3 at 25°C, 50 mM KCl, 2 mM MgCl₂, 1 mM 2-mercaptoethanol, 0.2 mM dATP, dGTP, and dTTP, 0.1 μM [α -³²P]dCTP, and activated salmon sperm DNA.

Components

100 U, 500 U, or 5 × 500 U	NovaTaq DNA Polymerase
1 × 1.5 ml, 2 × 1.5 ml, or 7 × 1.5 ml	10X NovaTaq Buffer with MgCl ₂
1 × 1.5 ml, 2 × 1.5 ml, or 7 × 1.5 ml	10X NovaTaq Buffer without MgCl ₂
1 × 1.5 ml, 2 × 1.5 ml, or 7 × 1.5 ml	25 mM MgCl ₂

Cat. No.	Product Description	Pack Size	Unit Price ₹
71003-3CN	NovaTaq™ DNA Polymerase	100 U	5560
71003-4CN		500 U	21940
71003-5CN		2500 U	85920

NovaTaq™ PCR Master Mix

Premixed 2X PCR reaction components for convenience and reproducibility

The NovaTaq PCR Master Mix is a ready-to-use 2X mixture of NovaTaq DNA Polymerase, ultrapure deoxynucleotides, and reaction buffer without MgCl₂. The Master Mix simplifies the assembly of PCRs and offers advantages of time savings, consistency, and minimal risk of contamination. Simply add the NovaTaq PCR Master Mix to an equal volume containing the required amount of MgCl₂, DNA template, and primers, and the reaction is ready for thermal cycling. The final diluted reaction contains 2.5 U of NovaTaq DNA Polymerase per 100 µl. Sufficient components are included for 200 standard 50-µl (or 100 × 100-µl) amplification reactions.

Components

4 × 1.25 ml	2X NovaTaq PCR Master Mix
1.5 ml	25 mM MgCl ₂ Solution
3 × 2 ml	PCR Grade Water

Cat. No.	Product Description	Pack Size	Unit Price ₹
71007-3CN	NovaTaq™ PCR Master Mix	200 rxn	20700

10 mM dNTP Mix

Qualified for enzymatic DNA synthesis

The 10 mM dNTP Mix is a ready-to-use preparation of ultrapure dATP, dCTP, dGTP, and dTTP (monosodium salts) at a concentration of 10 mM each in sterile deionized water at pH 7.0. The dNTP Mix is free of RNase and DNase and is qualified for any application that requires pure deoxynucleotides, such as PCR, cDNA synthesis, and fill-in reactions.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71004-3CN	10mM dNTP Mix	0.2 ml	6080

One Step RT-PCR Master Mix Kit

Convenient one-enzyme, hot start master mix system for RT-PCR

Features and Benefits

- Robust one-step, one-enzyme master mix system for easy reaction assembly
- Eliminates the risk of cross contamination associated with two-step RT-PCR protocols
- High-temperature (60°C) for reverse transcription enhances read-through of RNA secondary structure
- Ideal for gene expression studies
- Optimized buffer conditions and antibody-mediated hot start for increased sensitivity
- Rapid enzyme activation step (30 s) avoids damage of template RNA

The One Step RT-PCR Master Mix Kit allows rapid, sensitive analysis of gene expression from tissues and cells. One Step RT-PCR Master Mix Kit can replace methods for detecting and quantifying gene expression such as Northern blots, *in situ* hybridization, dot blots, S nuclease assays and conventional two step RT-PCR. The kit utilizes recombinant *Thermus thermophilus* (rTth) DNA Polymerase, which acts as both a thermostable RNA-dependent DNA polymerase and a DNA-dependent DNA polymerase. The rTth DNA Polymerase is provided in a 2X master mix with an antibody for antibody-mediated hot start, optimized buffer, and ultrapure deoxynucleotides. Antibody-mediated hot start enhances specificity of both reverse transcription and PCR. The kit enables cDNA synthesis from input RNA followed by PCR amplification of the cDNA in a single reaction, with no additional hands-on requirement for buffer changes or adding reagents. Typically, detection of a specific transcript requires only 2 hours.

We recommend using either two gene specific primers or oligo (dT) and one genespecific 5'-primer with the kit. Although rTth adds 3' dA overhangs, it is generally not recommended for PCR product cloning because the rTth error rate is higher than standard Taq DNA Polymerase. This kit is ideal for the rapid screening of gene expression.

Components

2 × 625 µl	2X One Step RT-PCR Master Mix
1 × 200 µl	50 mM Mn (OAc) ₂
1 × 1.1 ml	RNase Free Water
1 × 50 µl	Primer F (10 pmol/ ml, 5'-TCC ACC ACC CTG TTG CTG TA-3')
1 × 50 µl	Primer R (10 pmol/ ml, 5'-ACC-ACA GTC CAT GCC ATC AC-3')
1 × 50 µl	Positive Control RNA (5 × 108 copies/ml)

Cat. No.	Product Description	Pack Size	Unit Price ₹
71978-3CN	One Step RT-PCR Master Mix Kit	50 rxn	45300

First Strand cDNA Synthesis Kit

Reliable preparation of templates for RT-PCR

The First Strand cDNA Synthesis Kit is designed for the preparation of high quality first strand cDNA from cellular RNA templates. The kit contains MMLV Reverse Transcriptase for superior yields of full-length cDNA. Both oligo(dT) and random hexamer primers are included for a choice of general priming strategies and as alternatives to user-supplied specific primers. A small volume (1-2 µl) of the first strand cDNA reaction can be used in PCR amplification with KOD Hot Start or KOD XL DNA Polymerase. Use this kit in conjunction with the Straight A's™ mRNA Isolation System and appropriate PCR reagents to amplify rare coding regions.

Components

4000 U	MLLV Reverse Transcriptase
200 µl	5X First Strand Buffer
100 µl	100 mM DTT
50 µl	10 mM dNTP Mix
20 µg	Oligo(dT) Primer
10 µg	Random Hexamer Primers
1.5 ml	Nuclease-free Water
1 µg	5X BloodDirect Buffer A
10 µl	5X BloodDirect Buffer 1
10 µl	5X BloodDirect Buffer B

Cat. No.	Product Description	Pack Size	Unit Price ₹
69001-3CN	First Strand cDNA Synthesis Kit	40 rxn	30610
69896-3CN	Oligo(Dt) primer	20 µg	7330

SpinPrep™ PCR Clean-Up Kit

Rapid purification of PCR products

The SpinPrep™ PCR Clean-Up Kit is designed for rapid purification of PCR-amplified DNA. The 10-minute procedure involves addition of binding buffer followed by adsorption of the DNA to a silica membrane in a spin column format. Following a wash step, DNA is eluted in low-salt buffer. This kit removes DNA polymerases, dNTPs, salts, and primers so that they do not interfere with downstream applications such as cloning, sequencing, or labeling. PCR products from 100 bp to >12 kb can be cleaned up, with standard recoveries of 60–90%.

SpinPrep Plasmid Kit

Column binding capacity:	up to 20 mg
Gel slice mass:	150 mg/rxn
Typical recovery:	50–90%
Size range:	150 bp to > 12,000 bp
Time required:	< 30 min

Components

82 ml	SpinPrep Bind Buffer
27 ml	SpinPrep Wash Buffer
10 ml	SpinPrep Elute Buffer
100	SpinPrep Filters
100	Receiver Tubes
100	SpinPrep Eluate Receiver Tubes

Cat. No.	Product Description	Pack Size	Unit Price ₹
70976-3CN	SpinPrep PCR Clean-up Kit	100 rxn	23210

SpinPrep™ Gel DNA Kit

Rapid, efficient extraction of DNA from agarose gels

Features

- No organic extraction or alcohol precipitation
- Total preparation time < 30 minutes
- No low melting point agarose required

The SpinPrep Gel DNA Kit enables efficient extraction of DNA fragments from 150 bp to >12,000 bp in size from agarose gels. The procedure uses GelMelt™ Solution to dissolve the gel slice, followed by adsorption of the DNA to a silica membrane in a spin column format. After a wash step, the purified DNA is eluted in low-salt buffer. Each spin column can bind up to 20 µg DNA. Routine recovery is 50–90%.

SpinPrep Plasmid Kit

Column binding capacity:	up to 20 µg
Gel slice mass:	150 mg/rxn
Typical recovery:	50–90%
Size range:	150 bp to > 12kb
Time required:	< 30 min

Components

5 × 24 ml	SpinPrep GelMelt™ Solution
27 ml	SpinPrep Wash Buffer
10 ml	SpinPrep Elute Buffer
100	SpinPrep Filters
100	Receiver Tubes
100	SpinPrep Eluate Receiver Tubes

Cat. No.	Product Description	Pack Size	Unit Price ₹
70852-3CN	SpinPrep™ Gel DNA Kit	100 rxn	21900

Pellet Paint® Co-Precipitant

Rapid, quantitative precipitation of DNA and RNA; excellent for PCR clean-up

Feature

- Allows direct visualization and tracking of precipitated material

Pellet Paint® Co-Precipitant is a visible dye-labeled carrier formulated specifically for use in alcohol precipitation of nucleic acids. The 2-minute precipitation uses just 2 µl per reaction and requires no low-temperature incubations or prolonged centrifugation. Both RNA and DNA are efficiently precipitated even from dilute solutions (2 ng/ml). The pellet is easily located by its vivid pink color and can be easily followed during washing steps, preventing losses during handling.

Most PCR applications benefit from a clean-up step in which primers and other reactants are removed and the target DNA is concentrated. Pellet Paint Co-Precipitant is ideal for this cleanup because the procedure is rapid, primers < 50 nt in length are efficiently removed, and the DNA is quantitatively recovered. Furthermore, it provides visual confirmation of DNA resuspension.

Pellet Paint Co-Precipitant is compatible with most molecular biology procedures and is free of contaminating nucleic acids and nucleolytic enzymes. Although it absorbs in the UV range, accurate spectrophotometric measurements of DNA or RNA samples are possible; the absorbance ratio (provided with each package) can be used as a correction factor when determining nucleic acid concentration. Pellet Paint Co-Precipitant is compatible with automated Cy5 sequencers. Pellet Paint NF Co-Precipitant is recommended for use with PE Applied Biosystems automated sequencers.

Recovery of various RNA and DNA samples with Pellet Paint carrier

Sample	Incorp. cpm recovered
RNA (100 nt, 0.2 ng/μl)	90%
RNA (1000 nt, 0.2 ng/μl)	92%
RNA (10,000 nt, 0.2 ng/μl)	89%
DNA (100-2000 bp, 4 pg/μl)	86%

The indicated samples of ³²P-labeled RNA and DNA were prepared using standard protocols for transcription and random priming, respectively. Following the labeling reactions, incorporation was determined by DE81 filtration. Known amounts of incorporated material (300,000 cpm) were precipitated in the presence of Pellet Paint. Samples without Pellet Paint Co-Precipitant resulted in a 5- to 50-fold reduction in recovery.

Components

250 ml or 2 ml	Pellet Paint Co-Precipitant
1 ml or 8 ml	3 M Sodium Acetate pH 5.2

Comparison of different carriers for precipitation of nucleic acids

Compatible with	Pellet Paint	glycogen	tRNA
gel electrophoresis	√	√	—
PCR amplification	√	?	—
DNA sequencing	√	√	—
restriction digestion	√	√	√
ligation	√	√	?
transformation √	√	?	—
cDNA synthesis √	√	?	—
kinase reactions	√	√	—
random priming	√	?	—
in vitro transcription	√	√	?
in vitro translation	√	√	√
RNase protection assay	√	?	√
phenol extraction	√	√	√
LiCl precipitation	√	√	—
bacterial electroporation	√	?	?
PEG precipitation	√	?	?

Pellet Paint Procedure

1. Add 2 μl Pellet Paint or 1 μl Pellet Paint NF Co-Precipitant plus 0.1 volume 3 M Sodium Acetate to sample and mix briefly.
2. Add 2 volumes ethanol (or 1 volume isopropanol) and briefly vortex.
3. Incubate at room temperature for 2 min.
4. Spin sample for 5 min.
5. Discard supernatant. Wash and resuspend pellet.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69049-3CN	Pellet Paint® Co-Precipitant	125 rxn	10600
69049-4CN		1000 rxn	64960

Pellet Paint® NF Co-Precipitant

Non-fluorescent visible nucleic acid co-precipitant for automated sequencing applications

Features

- Efficient and rapid precipitation of BigDye® cycle sequencing products
- Efficient removal of dye terminators
- Direct visualization and tracking of precipitated material
- No effect on sequencing reaction
- Substitute for original Pellet Paint® Co-Precipitant in fluorescent detection applications

Pellet Paint NF Co-Precipitant is a nonfluorescent dye-labeled carrier compatible with fluorescent sequencing. It facilitates rapid removal of BigDye Terminators during alcohol precipitation of cycle sequencing reaction products. Cycle sequencing reactions can be precipitated rapidly with 1 μl of carrier per reaction and centrifugation times of 10 minutes. The easily visualized carrier provides a simple confirmation that precipitation has occurred. Sequencing reaction products are efficiently pelleted and dye-labeled terminators remain in the supernatant during alcohol precipitation using the standard Applied Biosystems precipitation protocols. Resuspension of pelleted sequencing reaction products in deionized formamide can be confirmed by checking for dissolution of the carrier. Pellet Paint NF Co-Precipitant is fully compatible with the ABI PRISM® BigDye Terminator Cycle Sequencing Ready Reaction. To avoid extra sample handling, Pellet Paint NF Co-Precipitant can be added directly to the reaction mix, template DNA, crude PCR samples, or dilution buffer before the cycle sequencing reaction. Although Pellet Paint NF absorbs in the UV range, accurate spectrophotometric measurements of DNA or RNA samples are possible; the absorbance ratio (provided with each package of Pellet Paint NF) can be used as a correction factor when determining nucleic acid concentration. Pellet Paint NF Co-Precipitant has no detectable effect on the sequencing reaction or sequence accuracy. Pellet Paint NF Co-Precipitant is a useful substitute for the original Pellet Paint Co-Precipitant in applications where fluorescent detection is used.

Components

125 µl or 1 ml	Pellet Paint NF Co-Precipitant
1 ml or 8 ml	3 M Sodium Acetate pH 5.2

Cat. No.	Product Description	Pack Size	Unit Price ₹
70748-3CN	Pellet Paint® NF Co-Precipitant	125 rxn	10850
70748-4CN		1000 rxn	66040

Vector Primers

Validated for sequencing and amplification of recombinant vectors

All vector primers have been application tested and are supplied ready to use at the working concentration (5 pmol/µl). Each vial contains a total of 500 pmol (100 µl) of oligonucleotide.

Cat. No.	Product Description	Sequence (5'-3')	M _r	Pack Size	Unit Price ₹
69348-3CN	T7 Promoter Primer	TAATACGACTCACTATAGGG	6106	1 ea	12100
69337-3CN	T7 Terminator Primer	GCTAGTATTGCTCAGCGG	5817	1 ea	12100

Ig-Primer Sets

Amplification of human and mouse immunoglobulin variable regions

The Ig-Primer Sets are designed for amplification of immunoglobulin (Ig) variable region cDNAs from human and mouse sources. Mammalian light- and heavy-chain Igs contain conserved regions adjacent to the hypervariable complementarity defining regions (CDRs). Appropriately designed oligonucleotide primer sets enable specific amplification of these regions by PCR, after which the products may be sequenced directly or cloned. This powerful method enables rapid, precise analysis of hybridomas, myeloma cell progression and heterogeneity, idiotype networks, B-cell clonal ontogeny, and phylogenetic relationships.

In practice, total RNA is isolated from a B-cell source, such as peripheral blood, lymph node(s), spleen, or hybridoma. Firststrand cDNA is then prepared using reverse transcriptase. The primer sets are then used in PCR to specifically amplify the variable regions of light- and heavy-chain cDNAs.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69830-3CN	Human Ig- Primer Set	1 set	81100
69831-3CN	Mouse Ig-Primer Set	1 set	95540

Genomic DNA

High molecular weight, high purity DNA for any application

Genomic DNAs are highly purified preparations of high molecular weight genomic DNA from a variety of organisms. The isolation protocol minimizes shearing and removes contaminants that inhibit enzymatic procedures. Novagen® genomic DNA is qualified for genomic analysis (including PCR) and library construction. At least 90% of the DNA is greater than 100 kb, as analyzed by CHEF gel electrophoresis (> 50 kb for *S. cerevisiae*). No inhibition of restriction enzyme activity is observed, and the DNA is free of contaminating RNA and protein.

DNA is supplied in 10 mM Tris-HCl, pH 8.0, 1 mM EDTA (TE). To minimize shearing, pipet using a wide-bore pipet tip.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69231-3CN	Bovine Genomic DNA	100 µg	17090
69230-3CN	Pig Genomic DNA	100 µg	17090
69238-3CN	Rat Genomic DNA	100 µg	19240
69239-3CN	Mouse Genomic DNA	100 µg	18100
69237-3CN	Human Genomic DNA	100 µg	18170
69240-3CN	<i>S. cerevisiae</i> Genomic DNA	100 µg	17020
70572-3CN	Human Male Genomic DNA	100 µg	17020

AccepTor™ Vector Kits

Rapid, direct cloning with patented UA cloning technology

Features

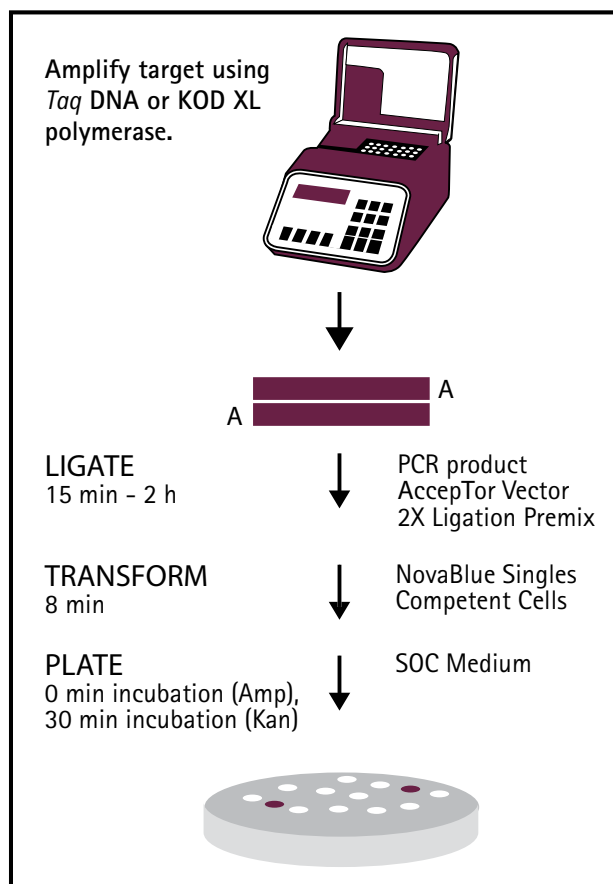
- Does not require restriction digestion or special primers
- Perform direct ligation of PCR product with vector
- Compatible with polymerases that leave single 3'-dA overhangs
- Blue/white screening with pSTBlue-1 or pETBlue™-1 vectors
- Simple protocol takes as little as 40 min from PCR product to plating transformants

AccepTor™ Vector Cloning Kits are designed to simplify cloning of PCR products with single 3'-dA nucleotide overhangs, which are generated by non-proofreading thermostable DNA polymerases, such as KOD XL polymerase and native and recombinant Taq polymerases. The linearized AccepTor Vector contains single 3'-dU DNA ends that are compatible with direct ligation of these products without the need for intermediate reactions. The dU residues are converted to dT residues in vivo following transformation.

In the AccepTor Vector Kits, vectors are supplied ready-to-ligate. Simply mix the vector with your PCR product, add Clonables™ 2X Ligation Premix, and transform into NovaBlue Singles™ Competent Cells.

AccepTor Vector Kits are available in an introductory 10-reaction size as well as 20- and 40-reaction configurations. The linearized AccepTor Vectors are also available separately without the ligation and transformation components.

Two different vectors, pSTBlue-1 and pETBlue™-1, are available as AccepTor™ Vector kits. Each is carefully prepared and tested for optimal cloning efficiency and provides easy visualization of recombinants by blue/white screening using LacZ α -complementation. The pSTBlue-1 vector is a general purpose vector with dual opposed T7 and SP6 promoters, both amp and kan resistance cassettes, and an array of flanking restriction sites. The pETBlue-1 vector is a plasmid specifically developed to enable high-level T7 RNA polymerasedriven expression of target genes in *E. coli*, while providing the convenience of blue/ white screening and high plasmid copy number. Initial cloning is performed in the non-expression host NovaBlue, and the recombinant plasmid is transformed into Tuner™ (DE3) pLacI Competent Cells (included in kits) for protein expression.



Cat. No.	Product Description	Pack Size	Unit Price ₹
70594-3CN	Intro pSTBlue-1 Acceptor™ Vector Kit	10 rxn	20660
70595-3CN	pSTBlue-1 AccepTor™ Vector Kit	20 rxn	36730
70595-4CN		40 rxn	60150
71228-3CN	pSTBlue-1 AccepTor™ Vector Giga Kit	20 rxn	39230
71228-4CN		40 rxn	65120
70596-3CN	pSTBlue-1 AccepTor™ Vector (linearized vector)	20 rxn	18250
70596-4CN		40 rxn	30550
70597-3CN	Introductory pETBlue™-1 AccepTor™ Vector Kit	10 rxn	21960
70598-3CN	pETBlue-1 Acceptor Vector Kit	20 rxn	40470
70598-4CN		40 rxn	66300
70599-4CN	pETBLUE-1 Acceptor Vector	40 rxn	30550
70608-3CN	pETBlue™-1 DNA	20 µg	26860

Perfectly Blunt® Cloning Kits

Efficient cloning of DNA amplified by any polymerase

Features

- 7 different vectors available, including pETBlue expression vectors
- No restriction enzymes or special primers required
- Compatible with inserts generated by any DNA polymerase, regardless of end type generated
- Blue/white screening
- Simple protocol takes less than 1 h from PCR product to plating transformants

With the Perfectly Blunt® Cloning Kits, DNA with any type of end can be cloned with high efficiency. DNA products are treated in the end conversion reaction to produce blunt, phosphorylated ends, which are compatible with the linearized, dephosphorylated blunt vector.

The Perfectly Blunt Cloning Kits are designed to simplify cloning of DNA generated by PCR using any type of DNA polymerase. This approach enables the use of high-fidelity proofreading enzymes for amplification, which decreases the probability of generating mutations in the target sequence. In addition, under many conditions blunt cloning is more efficient than T-cloning, probably because the efficiency of single 3'-dA addition by *Taq* DNA polymerase varies significantly depending on the sequence context of the DNA ends, and the number of PCR cycles performed.

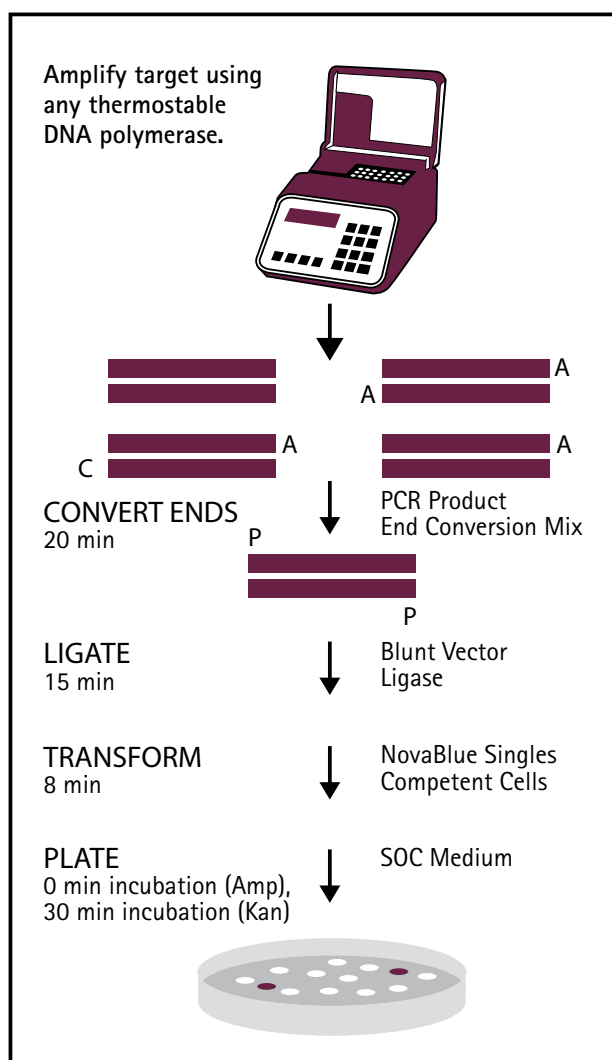
With the Perfectly Blunt cloning protocol, you can go from PCR product to plating transformants in less than one hour with minimal hands-on time. The finished PCR product is converted to a blunt, phosphorylated DNA in a 15-minute reaction using premixed reagents. Following a 5-minute heat inactivation step,

the treated insert is combined with the ready-to-use vector and ligated in an optimized 15-minute reaction. An exclusive 8-minute transformation procedure using high efficiency NovaBlue Singles™ Competent Cells generates recombinant colonies that are easily visualized by blue/white screening.

The Perfectly Blunt method is not limited to cloning PCR products; these kits are also suitable for cloning restriction fragments, cDNA, or sheared DNA using the same protocols.

Six different vectors are available as Perfectly Blunt Cloning Kits: pETBlue™-1, pETBlue-2, pSTBlue-1, pT7Blue™, pT7Blue-2, and pT7Blue-3. Vector choices include those designed for general cloning, sequencing, optimal *in vitro* transcription/translation, and T7-driven protein expression in *E. coli*. Each vector is available in a kit containing sufficient reagents for 10, 20, or 40 reactions.

"Vector only" kits are also available in 20- and 40-reaction sizes without ligase and competent cells. For highest-efficiency competent cells, use pSTBlue-1 Perfectly Blunt Giga Cloning Kit.



Cat. No.	Product Description	Pack Size	Unit Price ₹
70184-3CN	Introductory pSTBlue-1 Perfectly Blunt® Cloning Kit	10 rxn	20660
70191-3CN	pSTBlue-1 Perfectly Blunt® Cloning Kit	20 rxn	36730
70191-4CN		40 rxn	60150
70188-3CN	pSTBlue-1 Blunt Vector (linearized)	20 rxn	36730
70188-4CN		40 rxn	30550
71229-3CN	pSTBlue-1 Perfectly Blunt® Giga Cloning Kit	20 rxn	39230
70199-3CN	pSTBlue-1 DNA	20 µg	26860
70182-3CN	pT7Blue™-3 Perfectly Blunt® Cloning Kit	20 rxn	36730
70182-4CN		40 rxn	60150
70186-3CN	pT7Blue™-2 Blunt Vector (linearized)	20 rxn	18250
70183-3CN	pT7Blue™ Perfectly Blunt® Cloning Kit	10 rxn	20660
70189-3CN	pT7Blue™ Perfectly Blunt® Cloning Kit	20 rxn	36730
70189-4CN		40 rxn	59830
70174-3CN	pT7Blue™ Blunt Vector (linearized)	20 rxn	18250
70174-4CN		40 rxn	30550
69967-3CN	pT7Blue™ DNA (uncut)	20 µg	26860
70609-3CN	pETBlue™-2 DNA (uncut)	20 µg	26860
70634-3CN	pETBLUE-1 Blunt Cloning Kit	20 rxn	40470
70636-3CN	pETBLUE-2 Blunt Cloning Kit	20 rxn	40470
70633-3CN	Introductory pETBlue™-1 Perfectly Blunt® Cloning Kit	10 rxn	21960
70635-3CN	Introductory pETBlue™-2 Perfectly Blunt® Cloning Kit	10 rxn	21960

Clonables™ Ligation/Transformation Kit

Simple, reproducible ligation and transformation – in as little as 23 minutes

Features

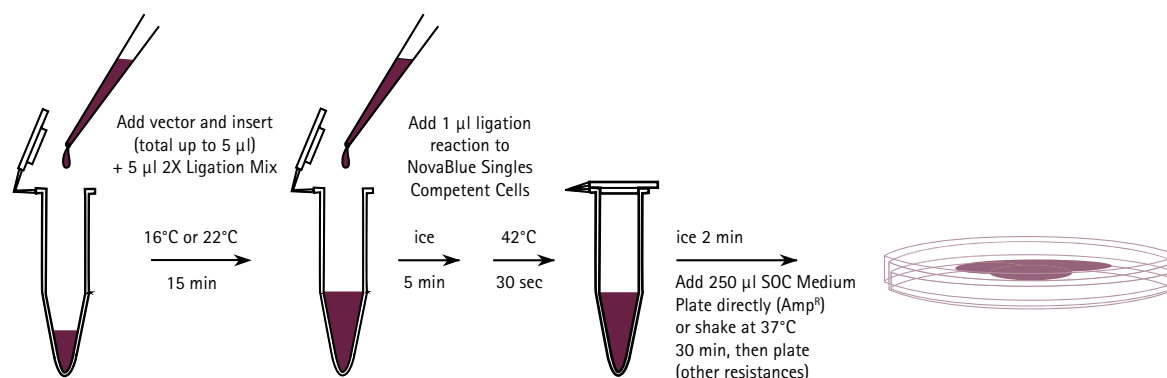
- Rapid 15-min ligation, 8-min transformation with ampicillin selection
- Premixed ligation components decrease pipetting steps and increase reliability
- One reaction condition, optimized for cohesive ends, single base overhangs, and blunt ends
- Single-use competent cells eliminate need to aliquot, freeze/thaw, or waste partially used vials
- Compatible with PCR buffer, TE, restriction enzyme buffer, and End Conversion Mix

The Clonables™ Kit enables convenient, dependable, high-efficiency ligation and transformation of any compatible DNA ends. The kit features a unique, universal Ligation Premix, containing ligase, buffer, and cofactors, which supports ligation of any type of DNA

cohesive or blunt ends in a 15-minute reaction. Ligated DNA is transformed into NovaBlue Singles™ Competent Cells, which use a streamlined protocol that takes less than 8 minutes for ampicillin-resistant plasmids and 38 minutes for other antibiotic-resistant plasmids. This kit can be used with a variety of cloning vectors and is compatible with any type of DNA end, without altering the ends or desired cloning junctions.

The Clonables Kit contains sufficient reagents to perform 11 ligation and transformation reactions, and includes a control vector and insert mix to verify performance.

The Clonables procedure



Clonables™ 2X Ligation Premix

Single solution for optimal ligation in 15 minutes

The Clonables™ 2X Ligation Premix is a single solution containing optimized concentrations of the highest quality T4 DNA ligase, buffer, stabilizer, and cofactors needed for efficient ligation of any type of compatible DNA ends. The premix is tested for ligation of compatible 2- to 4-base cohesive DNA ends as well as blunt ends and single-base overhangs found on some PCR products. Under most conditions excellent ligation occurs in only 15 minutes. With T/A or U/A overhangs, more colonies can be obtained by incubating for up to two hours. Although maximal efficiencies are obtained using NovaBlue Singles Competent Cells, this reagent is compatible with transformation of any type of chemically competent cells. The high performance, minimal pipetting requirement, and single addition format make the premix suitable for high-throughput applications.

One vial of the 2X Ligation Premix contains enough reagent for 11 ligation reactions (10-µl scale).

Cat. No.	Product Description	Pack Size	Unit Price ₹
70573-3CN	Clonables™ 2X Ligation Premix	11 rxn	5910
70573-4CN		2.5 ml	83510

Components

55 µl	Clonables 2X Ligation Premix
10 µl	Clonables Positive Control
1.5 ml	Nuclease-free Water
11 × 50 µl	NovaBlue Singles Competent Cells
2 × 2 ml	SOC Medium
10 µl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
70526-3CN	Clonables™ Ligation/Transformation Kit	11 rxn	20660

DNA Ligation Kit

Dependable ligation with maximum flexibility

The DNA Ligation Kit provides the necessary components for convenient, reproducible ligation of DNA fragments. Separate solutions of all components are provided to allow maximum flexibility and stability when stored at -20°C. The kit is optimized and tested for PCR cloning, ligation of cDNA and PCR products into plasmid and phage lambda vectors, and for linker ligations. One DNA Ligation Kit contains components for 50 blunt-end or single-base overhang ligations, or up to 500 2- to 4-base cohesive-end ligations.

Components

100 U	T4 DNA Ligase
500 µl	Ligase Dilution Buffer
500 µl	10X Ligation Buffer
250 µl	100 mM DTT
250 µl	10 mM ATP
1.5 ml	Nuclease-free Water

Cat. No.	Product Description	Pack Size	Unit Price ₹
69838-3CN	DNA Ligation Kit	1 kit	19460

ColiRollers™ Plating Beads

Novel plating method saves time and provides consistent results

ColiRollers™ Plating Beads offer a better way to perform a routine procedure—plating bacteria. Typical plating methods use a bent glass rod "hockey stick," which must be immersed in 70% ethanol and flamed between uses, or disposable plastic applicators. Both require vigorous spreading while rotating the plate. These older methods can become extremely laborious and time consuming when processing many samples, and can produce inconsistent results due to differences in pressure applied, length of rotation time, and moisture content of the plates. In addition, an open flame can present a safety hazard. Novagen ColiRollers Plating Beads are specially treated glass beads that do the work for you. Simply pipet the cells on the plate, add 10 to 20 beads, and move the plate back and forth a few times. The rolling action of the beads gently spreads the cells evenly and completely over the agar surface. Entire stacks of plates can be processed at one time. After plating, shake the beads off the plate and the plate is ready for the incubator. Use of ColiRollers beads eliminates the inconsistencies of conventional "hockey stick" methods, and provides even distribution of colonies every time.

ColiRollers beads are provided sterile and each package contains enough beads for 60 to 80 plates.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71013-3CN	ColiRollers™ Plating Beads	1 pkg	2430
71013-4CN		5 pkg	8180

Overnight Express™ Instant LB and TB Medium

High-level protein expression without the need to monitor cell growth

Features

- Granulated medium for rapid, uniform dissolution in water
- No inhalation of hazardous powdered ingredients
- Convenient EasyPak format
- No need to monitor cell growth or add IPTG
- Ideal for pET Expression Systems and other IPTG-inducible bacterial systems
- High cell densities and protein expression levels
- Compatible with cultures grown in flasks, culture tubes, deep-well plates, and fermentors

Granulated Instant LB Medium and TB Medium formulations are combinations of Overnight Express™ System 1 with either Luria Bertani broth (LB) or Terrific Broth (TB). These extremely convenient, rich culture autoinduction media provide high level protein production in pET and other IPTG-inducible bacterial expression systems.

With Overnight Express Autoinduction Media, a period of cell growth is followed by spontaneous induction of protein expression – without monitoring cell density or adding IPTG.

Cell mass and target protein yield are often increased several-fold compared to conventional protocols using induction with IPTG. Overnight Express Instant LB and Instant TB Medium are ideal for routine expression of proteins in multiple cultures and for high-throughput parallel analysis of protein expression, solubility, and purification from multiple expression clones.

Two packaging formats are available. The EasyPak aluminum foil pouch contains 60 g granulated medium to prepare 1 L culture. Just add the EasyPak contents to 1 L sterile water, supplement with 10 ml glycerol, and microwave for 2 min to prepare. Instant LB and Instant TB Medium are also available in 1 kg bottles. The convenient granules ensure rapid and uniform dissolution in water, prevent clumping of the medium and avoid inhalation of airborne powders.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71757-3CN	Overnight Express™ Instant LB Medium	1 EasyPak (1 x 60 g)	6030
71757-4CN		5 EasyPak (5 x 60 g)	24410
71757-5CN		1 kg 10k	58870
71491-3CN	Overnight Express™ Instant TB Medium	1 EasyPak (1 x 60 g)	6030
71491-4CN		5 EasyPaks (5 x 60 g)	24410
71491-5CN		1 kg 10 kg	58870

Overnight Express™ Autoinduction System 1

Features

- Use with any conventional glucose-free bacterial growth medium
- No need to monitor cell growth or add IPTG
- High cell densities and protein expression levels
- Increased soluble protein yield
- Simultaneous induction of numerous expression clones
- Ideal for pET Expression System or other IPTG inducible bacterial systems
- Compatible with cultures grown in flasks, culture tubes, deep-well plates, and fermentors
- Minimal sample handling

With Overnight Express™ Autoinduction Media, a period of cell growth is followed by spontaneous induction of protein expression—without monitoring cell density and without IPTG. The method is based on media components that are metabolized differentially to promote growth to high density and automatically induce protein expression from *lac* promoters.

The kit contains:

- OnEx™ Solution 1, a blend of carbon sources optimized for tightly regulated uninduced growth to high cell density, followed by high-level induction.
- OnEx Solution 2, a concentrated buffer and nitrogen-source blend that mediates metabolic acid production and provides additional nitrogen for increased protein synthesis.
- OnEx Solution 3 provides magnesium for maximal cell density.

Addition of these components to traditional glucose-free E. coli culture media, such as LB broth or TB media, results in high cell densities, autoinduction of expression, and maximum soluble protein yields (Grabski 2003).

Overnight Express Autoinduction Media is extremely convenient for routine expression of proteins in multiple cultures and is ideal for high-throughput parallel analysis of protein expression, solubility, and purification from multiple expression clones. The Overnight Express Autoinduction System, together with the Novagen® RoboPop™ Solubility Screening Kit and RoboPop Purification Kits, allow rapid optimization of host-vector combinations, expression conditions, and purification parameters for high-throughput production of proteins for structural or functional analysis.

Components

1 × 20 ml or 5 × 20 ml	OnEx Solution 1
50 ml or 2 × 125 ml	OnEx Solution 2
1 ml or 5 × 1 ml	OnEx Solution 3

Cat. No.	Product Description	Pack Size	Unit Price ₹
71300-3CN	Overnight Express™ Autoinduction System 1	1 liter kit	9730
71300-4CN		5 liter kit	37970

Overnight Express™ Autoinduction System 2

Complete defined medium to Se-Met label proteins for crystallography

Features

- Complete chemically defined medium; minimal lot-to-lot variability
- Ideal for Se-Met labeling of proteins for crystallography
- High cell densities and protein expression levels
- No need to monitor cell growth rate or add inducer
- Ideal for pET Expression System or other IPTG inducible bacterial systems
- Simultaneous induction of numerous expression clones
- Compatible with cultures grown in flasks, culture tubes, deep-well plates, and fermentors
- Minimal sample handling

Overnight Express™ Autoinduction System 2 provides a complete, chemically defined medium for high-level protein expression with the pET System and other IPTG-inducible expression systems, without the need to monitor cell growth. All system components have a known chemical composition, resulting in consistent product performance. System 2 enables protein labeling with selenomethionine (Se-Met) for downstream crystallization and x-ray diffraction studies.

The system includes six concentrated sterile solutions:

- OnEx™ Solution 1, a blend of carbon sources optimized for tightly regulated uninduced growth to high cell density, followed by high-level induction.
- OnEx Solution 2, a concentrated buffer and nitrogen-source blend that mediates metabolic acid production and provides additional nitrogen for increased protein synthesis.
- OnEx Solution 3 provides magnesium for maximal cell density.
- OnEx Solution 4 provides trace metals to minimize growth limitations associated with mineral deficiencies and to satisfy metal requirements of metal-containing target proteins, even at high expression levels.
- OnEx Solution 5, a mixture of amino acids lacking methionine.
- OnEx Solution 6, a separate methionine solution. Sufficient methionine (Met) is provided to support growth of the Met auxotroph B834, while providing the option to reduce the level of unlabeled Met for selenomethionine incorporation by Met auxotrophs.

The Overnight Express Autoinduction System 2 is convenient for routine expression of proteins in multiple cultures and is ideal for high-throughput parallel analysis of protein expression and purification from multiple expression clones. The tedium of preparing a defined medium from dozens of components has been simplified with the ready-to-use sterile solutions included in the Overnight Express Autoinduction System 2.

Components

1 × 20 ml or 5 × 20 ml	OnEx Solution 1
50 ml or 2 × 125 ml	OnEx Solution 2
1 ml or 5 × 1 ml	OnEx Solution 3
1 ml	OnEx Solution 4
20 ml or 100 ml	OnEx Solution 5
20 ml or 100 ml	OnEx Solution 6

Cat. No.	Product Description	Pack Size	Unit Price ₹
71366-3CN	Overnight Express™ Autoinduction System 2	1 liter kit	17070
71366-4CN		5 liter kit	66350

Overnight Express™ Autoinduction NMR Media

Complete defined medium to ¹⁵N – and ¹³C – label proteins for NMR analysis

Features

- Convenient sterile stock solutions and isotopic nutrients
- Provides reliable, efficient isotopic labeling of proteins for NMR analysis
- No need to monitor cell growth or add IPTG
- Ideal for pET Expression Systems and other IPTG-inducible bacterial systems
- High cell densities and protein expression levels

Overnight Express™ Autoinduction NMR Media offer convenient, high-yield expression and efficient isotopic labeling of recombinant proteins for NMR analysis. The autoinduction method is based on the differential metabolism of carbon sources to promote growth to high cell density and to automatically induce protein expression under control of lac promoters, eliminating the need to monitor cell densities or add inducer (IPTG). Sterile, ready-to-mix solutions significantly reduce media preparation time.

Each kit also includes reagents to make non-inducing, chemically defined starter medium. Starter medium can be used for staged growth without expression, prior to labeling, and for stable storage of bacterial strains containing expression plasmids. Stable isotope-labeled nutrients included in these kits (¹⁵N-ammonium chloride, ¹³C-glucose) and the ¹³C-glycerol, available separately, are manufactured by Cambridge Isotope Laboratories, Inc.

Overnight Express™ Autoinduction NMR Medium–Optimization

Overnight Express Autoinduction NMR Medium–Optimization is used to optimize growth and expression conditions in minimal medium, before doing target protein labeling. Optimization medium can also be used to prepare ¹⁵N-labeled proteins when the user supplies the ¹⁵N-ammonium chloride. The kit also includes reagents to prepare noninducing starter medium.

Overnight Express™ Autoinduction NMR Medium–¹⁵N

Overnight Express Autoinduction NMR Medium–¹⁵N provides reagents to make a chemically defined liquid culture medium used to produce [U–¹⁵N] labeled proteins for NMR spectroscopy. Addition of 4 liquid components and a sterile ¹⁵N ammonium chloride solution to sterile water results in a chemically defined medium that promotes growth to high cell densities, autoinduction of expression, and efficient labeling of target proteins. The kit also includes reagents to prepare non-inducing starter medium.

Overnight Express™ Autoinduction NMR Medium–¹⁵N, –¹³C

Overnight Express Autoinduction NMR Medium–¹⁵N, –¹³C, when supplemented with ¹³C-labeled glycerol, provides reagents to make 1 L of chemically defined liquid culture medium used to produce [U–¹⁵N, U–¹³C]- labeled proteins for NMR spectroscopy. Addition of the 4 liquid components and sterile solutions of ¹⁵N

ammonium chloride, ¹³C glucose, and ¹³C glycerol to sterile water results in a chemically defined medium that promotes growth to high cell densities, autoinduction of expression, and efficient labeling of target proteins. The kit also includes reagents to prepare noninducing starter medium.

For autoinduction of expression, four concentrated, sterile solutions are provided:

- OnEx™ NMR Solution 1 (for single [U–¹⁵N] labeling) or OnEx Dual-NMR Solution 1 (for dual [U–¹⁵N, U–¹³C] labeling) each contain a blend of carbon sources optimized for tightly regulated uninduced growth to relatively high cell density, followed by high-level induction of target protein expression.
- OnEx NMR Solution 2, a concentrated buffer for maintaining neutral pH throughout growth and autoinduction.
- OnEx Solution 3 provides the additional magnesium necessary for cultures to attain high cell density.
- OnEx Solution 4 provides trace metals to avoid growth limitations associated with mineral deficiency and to satisfy the requirements of metal-containing target proteins expressed at high levels.

Non-inducing starter medium

Non-inducing starter medium is prepared with the same magnesium (OnEx Solution 3) and trace metals (OnEx Solution 4) solutions used in the autoinduction media, plus three additional solutions: OnEx Solution 2 (a concentrated buffer that maintains pH and supplies necessary nitrogen), OnEx NMR Solution 5 (an amino acid mixture), and OnEx NMR Solution 6 (a non-inducing carbon source).

Components

Cat. No. 71760-3CN

20 ml	OnEx NMR Solution 1
10 ml	OnEx Solution 2
50 ml	OnEx NMR Solution 2
3 x 1 ml	OnEx Solution 3
1 ml	OnEx Solution 4
4 ml	OnEx NMR Solution 5
5 ml	OnEx NMR Solution 6
2.7 g	Ammonium Chloride

Cat. Nos. 71759-3CN/71759-4CN

20 ml/100 ml	OnEx NMR Solution 1
10 ml/50 ml	OnEx Solution 2
50 ml/250 ml	OnEx NMR Solution 2
1 ml/3 x 11 ml	OnEx Solution 3
1 ml/1 ml	OnEx Solution 4
4 ml/20 ml	OnEx NMR Solution 5
5 ml/25 ml	OnEx NMR Solution 6
2.7 g/5 x 2.7 g	Ammonium Chloride (¹⁵ N, 99%)

Components

Cat. Nos. 71789-3CN

20 ml	OnEx DUAL NMR Solution 1
10 ml	OnEx Solution 2
50 ml	OnEx NMR Solution 2
3 x 1 ml	OnEx Solution 3
1 ml	OnEx Solution 4
4 ml	OnEx NMR Solution 5
5 ml	OnEx NMR Solution 6
0.5 g	D-Glucose (U-13C6, 99%)
2.7 g	Ammonium Chloride (15N, 99%)

Cat. No.	Product Description	Pack Size	Unit Price ₹
71760-3CN	N Overnight Express™ Autoinduction NMR Medium - Optimization	1 liter kit	18310
71759-3CN	N Overnight Express™ Autoinduction NMR Medium - ¹⁵ N	1 liter kit	40330
71759-4CN		5 liter kit	157340
71789-3CN	N Overnight Express™ Autoinduction NMR Medium - ¹⁵ N, ¹³ C	1 liter kit	52630

Molecular Biology Media

Highest quality culture media

Features

- Granulated media for rapid and uniform dissolution in water
- Eliminates the hazard of inhaling powdered medium ingredients
- Select media are available in a convenient EasyPak format

Merck Millipore Bioscience offers a full line of granulated and dehydrated molecular biology media and media components. The media are of highest quality and are optimized for cultivation of E. coli on scales ranging from small cultures to fermentation. The LB Broths, LB Agar, and Terrific Broth are granulated to ensure rapid and uniform dissolution in water, prevent clumping, and eliminate inhalation of airborne powder. Also available are 2xYT Broth and animal material-free Veggie™ Media components.

LB Media and Agar EasyPaks

Compared to homemade medium, granulated Novagen® LB Broths and Agar in 1 L EasyPak pouches allow greater media uniformity, significantly reduce labor-intensive tasks, and simplify your workflow. No more tedious weighing of powder or dealing with the dust. Just add the EasyPak contents to 1 L water and microwave*. In addition, the LB Broths and Agar are supplied in 500 g and 5 kg bottles. LB Broth MILLER is also supplied in a 25 kg size.

* Microwaving is sufficient if antibiotic(s) will be added to prepared medium.

LB Broth MILLER

LB Broth MILLER is a granulated medium for the cultivation of E. coli on scales ranging from small cultures to fermentation.

The composition per liter is 5 g yeast extract, 10 g peptone [from casein], and 10 g sodium chloride.

LB Agar MILLER

LB Agar MILLER is a granulated medium for the cultivation of E. coli. The composition per liter is 5 g yeast extract, 10 g peptone [from casein], 10 g sodium chloride, and 12 g agar-agar.

LB Broth LENNOX

LB Broth LENNOX is a low salt granulated medium for the cultivation of E. coli on scales ranging from small cultures to fermentation. The composition per liter is 5 g yeast extract, 10 g peptone [from casein], and 5 g sodium chloride.

Terrific Broth

Terrific Broth is a highly enriched granulated medium to improve the yield of plasmid DNA from E. coli. The composition per liter is 12 g tryptone, 24 g yeast extract, 9.4 g potassium phosphate, dibasic, and 2.2 g potassium phosphate, monobasic.

2xYT Broth

2xYT Broth is a powdered medium for the enrichment of E. coli. The composition per liter is 16 g tryptone, 10 g yeast extract, and 5 g sodium chloride.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71753-5CN	LB Broth Miller	500 g	8020
71753-4CN		25 EasyPak	18300
71753-6CN		5 kg	57640
71752-5CN	LB Agar Miller	500 g	12160
71752-4CN		25 EasyPak	26940
71752-6CN		5 kg	90940
71751-5CN	LB Broth Lennox	500 g	9560
71751-6CN		5 kg	70030
71754-3CN	Terrific Broth	500 g	9670
71754-4CN		5 kg	73690
71754-5CN		10 kg	127750
71755-4CN	2xYT Broth	5 kg	60150

Veggie™ Media Components

Certified animal-free media components

Veggie products are ideal for applications requiring minimal use of animal-derived materials. Veggie Peptone is a certified animal-free media component, obtained from papain-digested soymeal, that can directly replace tryptone in bacterial growth media.

Veggie Yeast Extract is a certified animal-free media component that can directly replace yeast extract in bacterial growth media. Both products are quality- tested to ensure proper growth and maintenance of bacterial cells.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71280-3CN	Veggie™ Peptone	500 g	21900
71279-3CN	Veggie™ Yeast Extract	500 g	15790

100 mM IPTG Solution

Convenient, ready-to-use solution

The lac operon inducer IPTG (isopropyl-β-d-1-thiogalactopyranoside) is recommended for blue/white screening by *lacZ* a-complementation with appropriate vectors and host strains, such as pSTBlue-1/NovaBlue, and for inducing protein expression with the pET System and other *lac* promoter-derived expression systems. The preparation is dioxane-free and supplied as a sterile aqueous solution. Solid form is also available.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70527-3CN	100 mM IPTG Solution	15 ml	12040

X-Gal Solution

For blue/white screening

The β-galactosidase substrate X-Gal (5-bromo-4-chloro-3-indolyl-β-dgalactopyranoside) is a chromogenic stain for β-gal activity. It is commonly used to distinguish between recombinants and nonrecombinants by *lacZ* a-complementation with appropriate vectors and hosts. X-Gal Solution is provided as a convenient 40 mg/ml concentrate in DMSO (3 × 1-ml tubes), ready for dilution into culture medium or appropriate buffers.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71077-3CN	X-Gal Solution	3 ml	10960

Antibiotics

Reliable, high-quality selection agents

Carbenicillin

Carbenicillin is an antibiotic that interferes with bacterial cell wall synthesis. It is recommended for use in place of ampicillin to maintain the selective marker bla (β-lactamase, which confers resistance to ampicillin). Ampicillin is degraded by endogenously secreted β-lactamase enzyme and by the drop in pH that usually accompanies bacterial fermentation. Carbenicillin is more stable at low pH than ampicillin, preventing loss of drug resistance.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69101-3CN	Carbenicillin	5 g	30490

Sf9 Insect Cells

Serum-free adapted Sf9 cells

Sf9 Insect Cells are provided as frozen stocks of *Spodoptera frugiperda* Sf9 cells for establishment of cultures suitable for any application. These cells plus BacVector® Insect Cell Medium are recommended for cotransfection of transfer plasmids with BacMagic™ DNA and BacVector Triple Cut Virus DNA or for the construction of baculovirus recombinants and for transfection of pEx/Bac™, pEx™ and pBiEx™ vector constructs of the InsectDirect™ System.

Each vial contains 2 × 10⁶ cells. Cells are shipped on dry ice. Upon receipt, the vials should be removed from their container and either recovered immediately, or placed at -70°C and used within two weeks. For longer-term storage, place in liquid nitrogen.

After recovery, Sf9 Insect Cells can be grown as semi-adherent cultures in tissue culture flasks or in suspension as shaker cultures.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71104-3CN	Sf9 Insect Cells	3 vials	14620

Usage Guide: Sf9 Insect Cells and TriEx™ Sf9 Cells

Application	Sf9 Insect Cells and BacVector Insect Cell Medium	TriEx Sf9 Cells and TriEx Insect Cell Medium
Transfection (plasmid only)	++	+
Co-transfection (BacMagic or BacVector DNA and a transfer vector with Insect GeneJuice® Transfection Reagent)	+	-
Protein production	+	++
Preparation of high titer virus stocks	+	++
Plaque Assay, conventional	+	-
Plaque Assay, FastPlax™ Titer Kit	+	+

Key: (++) highly recommend, (+) recommended (-) not recommended

NovaBlue Singles™ Competent Cells

Cost-effective, high-efficiency transformation of *E. coli* in less than 8 minutes

Features

- Guaranteed efficiency $> 1.5 \times 10^8$ cfu/mg
- Provided frozen as single-use tubes in 11-reaction or 22-reaction kits
- Reliably high transformation efficiency
- Enables high-quality plasmid DNA preparation
- Rapid: perform transformation directly in the supplied tube

NovaBlue Singles Competent Cells, like all Novagen® Singles Competent Cells, are designed for ultimate convenience and reliability in plasmid transformation. The cells are grown and made chemically competent using an optimized procedure. Cells are provided in 50-μl volumes to eliminate the need to aliquot, freeze/thaw, or waste partially used vials. This saves time, money, and ensures reliable cell performance. To use, simply thaw, add DNA, incubate five minutes on ice, heat shock for 30 seconds, place on ice for two minutes, add SOC Medium, and plate directly (when selecting for ampicillin resistance) or after incubation at 37°C for 30 minutes (when selecting for other antibiotic resistances).

Components

11 × 50 μl or 22 × 50 μl	Singles Competent Cells
2 × 2 ml or 4 × 2 ml	SOC Medium
10 μl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
70181-3CN	NovaBlue Singles™ Competent Cells	11 rxn	16990
70181-4CN		22 rxn	30620

NovaBlue GigaSingles™ Competent Cells

10^9 efficiency in chemically competent cells

Features

- Guaranteed efficiency $> 1 \times 10^9$ cfu/mg
- Ideal for high-efficiency cloning
- Enables production of high-quality plasmid DNA
- Easy-to-use Singles format
- Prepared using an optimized chemical method

NovaBlue GigaSingles™ Competent Cells produce $> 1 \times 10^9$ colonies/μg plasmid DNA for cloning applications requiring high-efficiency transformations.

Components

11 × 50 μl or 22 × 50 μl	Competent Cells
2 × 2 ml or 4 × 2 ml	SOC Medium
10 μl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
71227-3CN	NovaBlue GigaSingles™ Competent Cells	11 rxn	20720
71227-4CN		22 rxn	39190

NovaBlue T1^R Singles™ Competent Cells

Resistant to T1 and T5 phage

Features

- Guaranteed efficiency $> 1.5 \times 10^8$ cfu/mg
- Resistant to T1 and T5 phage
- Enables production of high-quality plasmid DNA
- Easy-to-use Singles format
- Prepared using an optimized chemical method

The NovaBlue T1^R strain has the same features as NovaBlue, with the added benefit of being resistant to T1 and T5 phage. NovaBlue is a K-12 strain ideally suited as an initial cloning host because it has high transformation efficiency, blue/white screening capability (with appropriate plasmids), and mutations in *endA* and *recA*, which result in high yields of high-quality plasmid DNA.

NovaBlue T1^R Genotype:

endA1 hsdR17 (r_{K12}⁻ m_{K12}⁺) supE44 thi-1 recA1 gyrA96 relA1 lac tonA F'[proA⁺B⁺ lac^hZΔM15::Tn10] (Tet^R)

Components

11 × 50 μl	NovaBlue T1 ^R Singles Competent Cells
or 22 × 50 μl	
2 × 2 ml or 4 × 2 ml	SOC Medium
10 μl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
71318-4CN	NovaBlue T1 ^R Singles™ Competent Cells	22 rxn	36730

Veggie™ NovaBlue Singles™ Competent Cells

Certified animal-free chemically competent cells

Features

- Guaranteed efficiency $> 1.5 \times 10^8$ cfu/μg
- Manufactured free of animal-derived media and components
- Reproducible high-efficiency cloning
- Enables production of high-quality plasmid DNA
- Easy-to-use Singles format
- Prepared using an optimized chemical method

Veggie™ NovaBlue Singles Competent Cells are appropriate for standard cloning applications when absence of animal-derived components is essential. NovaBlue is a K-12 strain ideally suited as an initial cloning host due to its high transformation efficiency, blue/ white screening capability (with appropriate plasmids), and mutations in *recA* and *endA*, which result in excellent yields of high-quality plasmid DNA. Veggie NovaBlue Singles Competent Cells are supplied with an animal-free prepared SOC medium.

NovaBlue Genotype:

endA1 hsdR17(r_{K12}⁻ m_{K12}⁺) supE44 thi-1 recA1 gyrA96 relA1 lac F[proA+B+ lacI^qΔM15::Tn10] (Tet^r)

Components

11 × 50 µl or 22 × 50 µl	Veggie NovaBlue Singles Competent Cells
2 × 2 ml or 4 × 2 ml	Veggie SOC Medium
10 µl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
71251-3CN	Veggie™ NovaBlue Singles™	11 rxn	20720
71251-4CN	Competent Cells	22 rxn	39190

HT96™ NovaBlue Competent Cells

High-efficiency competent cells predisposed in a 96-well plate for high-throughput applications

Features

- Guaranteed efficiency >1 × 10⁸ cfu/µg
- High-throughput, 96-well format

HT96™ NovaBlue Competent Cells are designed for high-throughput transformation. The cells are predisposed in 20-ml volumes in a sturdy 96-well polypropylene plate compatible with a variety of thermal cyclers and water baths. Wells are individually sealed and have raised rims to prevent cross contamination. Seals can be pierced with standard pipet tips or removed for easier access. Strips of caps are also provided for reliable sealing during manipulation and storage. Groups of 24 wells can be easily split from the plate for processing smaller numbers of samples.

NovaBlue Genotype:

endA1 hsdR17(r_{K12}⁻ m_{K12}⁺) supE44 thi-1 recA1 gyrA96 relA1 lac F[proA+B+ lacI^qΔM15::Tn10] (Tet^r)

Components

1 or 4 plates	HT96 NovaBlue Competent Cells
1 × 14 ml or 4 × 14 ml	SOC Medium
1 × 10 µl or 2 × 10 µl	Test Plasmid
1 or 4 pkg	8-Cap Strips
1 or 4	Reagent Reservoirs

Cat. No.	Product Description	Pack Size	Unit Price ₹
71011-3CN	HT96™ NovaBlue Competent	1 plate	55190
71011-4CN	Cells	4 plates	205350

HT96™ Isothermal Block

Efficient thermal transfer to samples in an HT96 plate

The HT96 Isothermal Block is an anodized aluminum, solvent-resistant block specifically designed to hold one HT96 plate and to provide efficient thermal transfer to samples held within the 96-well plate. Using an HT96 Isothermal Block for each temperature, samples can be rapidly transferred between the low-temperature and heat-shock steps in transformation protocols. Simply preincubate the anodized aluminum block at the desired temperature and place the HT96 Competent Cell plate in the block. The HT96 Isothermal Block is compatible with most 96-well PCR plates and robotic platforms.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71195-3CN	HT96™ Isothermal Block	1 ea	30650

BL21(DE3) Strain Competent Cells

Gold standard B strain for recombinant protein expression

Features

- Guaranteed transformation efficiencies of >2×10⁶ cfu/µg
- Deficient in lon and ompT proteases
- Provided in a 0.2 ml volume; each vial can be used for 10 × 20-µl transformations
- Prepared using an optimized chemical method

For routine protein expression, BL21 is an ideal starting point. First commercialized in 1990, the Novagen® BL21 strain has remained the gold standard among expression hosts ever since. BL21 and its derivatives are deficient in both lon (Phillips 1984) and ompT proteases.

BL21(DE3) Genotype:

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm (DE3)

BL21(DE3)pLysS Genotype:

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm (DE3) pLysS (Cam^r)

Cat. No.	Product Description	Pack Size	Unit Price ₹
69450-3CN	BL21(DE3) Competent Cells	0.4 ml	12790
69450-4CN		1 ml	23190
69451-3CN	BL21(DE3)pLysS Competent Cells	0.4 ml	13320
69451-4CN		1 ml	24350

B834(DE3) Strain Competent Cells

Protease-deficient B strain allows protein labeling for crystallography studies

Features

- Allows for ^{35}S -methionine or selenomethionine labeling for crystallography studies
- Deficient in lon and ompT proteases
- Guaranteed transformation efficiencies of $>2 \times 10^6$ cfu/ μg
- Provided in a 0.2 ml volume; each vial can be used for 10 x 20- μl transformations
- Prepared using an optimized chemical method

B834, the parental strain for BL21 (Wood 1966), is a methionine auxotroph and allows high specific activity labeling of target proteins with ^{35}S -methionine or selenomethionine for crystallography studies (Leahy 1992). B834 strains and their derivatives are deficient in both lon (Phillips 1984) and ompT proteases.

B834(DE3) Genotype:

F- ompT hsdS_B(r_B - m_B -) gal dcm met (DE3)

B834(DE3)pLysS Genotype:

F- ompT hsdS_B(r_B - m_B -) gal dcm met (DE3) pLysS (Cam^R)

Cat. No.	Product Description	Pack Size	Unit Price ₹
69041-3CN	B834(DE3) Competent Cells	0.4 ml	12180
69041-4CN		1 ml	23190
69042-3CN	B834(DE3)pLysS Competent Cells	0.4 ml	13190
69042-4CN		1 ml	23270

BLR(DE3) Strain Competent Cells

Protease-deficient B strain with recA mutation for stabilizing target plasmids

Features

- A *recA*- derivative, stabilizes target plasmids and prophage
- Deficient in lon and ompT proteases
- Guaranteed transformation efficiencies of $>2 \times 10^6$ cfu/ μg
- Provided in a 0.2 ml volume; each vial can be used for 10 x 20- μl transformations
- Prepared using an optimized chemical method

BLR is a *recA*- derivative of BL21 that may help stabilize target plasmids containing repetitive sequences as well as the loss of the DE3 prophage (Roca, Studier 1991). Both BLR strains are deficient in both lon (Phillips 1984) and ompT proteases.

BLR(DE3) Genotype:

*F- ompT hsdS_B(r_B - m_B -) gal lac dcm (DE3) Δ (*sr*lrecA) 306::Tn10 (Tet^R)*

BLR(DE3)pLysS Genotype:

*F- ompT hsdS_B(r_B - m_B -) gal lac dcm (DE3) Δ (*sr*lrecA) 306::Tn10 pLysS (Cam^R, Tet^R)*

Cat. No.	Product Description	Pack Size	Unit Price ₹
69053-3CN	BLR(DE3) Competent Cells	0.4 ml	12180
69053-4CN		1 ml	23190
69956-3CN	BLR(DE3)pLysS Competent Cells	0.4 ml	13320
69956-4CN		1 ml	23270

HMS174(DE3) and NovaBlue(DE3) Strain Competent Cells

K12 strains with recA mutations for stabilizing target plasmids

Features

- Provides reliably high transformation efficiencies
- Derived from a K-12 strain
- Possess a mutation in the *recA* gene to help stabilize target plasmids
- Provided in a 0.2 ml volume; each vial can be used for 10 x 20-ml transformations
- Prepared using an optimized chemical method

The HMS174 and NovaBlue strains provide high transformation efficiencies and the *recA* mutation in a K-12 background. These strains may stabilize certain target genes as well as the DE3 prophage. NovaBlue(DE3) contains *lacIq* repressor, encoded by the F episome, making it useful as a stringent host.

Blue/white screening is not possible with NovaBlue(DE3) due to the presence of the *lacZ* a-peptide coding sequence on the λ DE3 prophage.

HMS174(DE3) Genotype:

F- recA1 hsdR(r_{K12} - m_{K12} +) (DE3) (Rif^R) HMS174(DE3)pLysS

Genotype:

F- recA1 hsdR(r_{K12} - m_{K12} +) (DE3) pLysS (Cam^R, Rif^R)

NovaBlue(DE3) Genotype:

endA1 hsdR17(r_{K12} - m_{K12} +) supE44 thi-1 recA1 gyrA96 relA1 lac (DE3) F'[proA⁺B⁺ lac^q Δ M15::Tn10] (Tet^R)

Transformation Efficiency	Host Strain(s)
$>5 \times 10^6$ cfu/mg	HMS174(DE3)
	HMS174(DE3)pLysS
$>2 \times 10^6$ cfu/mg	NovaBlue(DE3)

Cat. No.	Product Description	Pack Size	Unit Price ₹
69453-3CN	HMS174(DE3)	0.4 ml	13300
69453-4CN		1 ml	23250
69454-3CN	HMS174(DE3)pLysS Competent Cells	0.4 ml	13360
69454-4CN		1 ml	24390
69284-3CN	NovaBlue(DE3) Competent Cells	0.4 ml	12180
69284-4CN		1 ml	23190

Rosetta™ (DE3) and Rosetta™ 2(DE3) Strain Competent Cells

Unique host strain to overcome *E. coli* codon bias

Features

- Guaranteed transformation efficiencies of $>2 \times 10^6$ cfu/mg
- Provides six or seven rare tRNAs to alleviate *E. coli* codon bias
- Provided in a 0.2 ml volume; each vial can be used for 10 x 20-ml transformations
- Prepared using an optimized chemical method

Rosetta™ and Rosetta 2 host strains are BL21 derivatives designed to enhance the expression of eukaryotic cDNAs containing codons rarely used in *E. coli*. The original Rosetta strains supply tRNAs for the codons AUA, AGG, AGA, CUA, CCC, and GGA on a chloramphenicol-resistant plasmid. The Rosetta 2 strains supply a seventh rare codon (CGG) in addition to the six found in the original Rosetta strains. By supplying rare tRNAs, Rosetta strains provide "universal" translation where translation would otherwise be limited by the codon usage of *E. coli*. The tRNA genes are driven by their native promoters. In the pLysS derivatives of these strains, the rare tRNA genes are present on the same plasmids that carry the T7 lysozyme.

Rosetta(DE3) Genotype:

F– *ompT* *hsdS_B*(*r_B*[–] *m_B*[–]) *gal dcm* (DE3) *pRARE* (*Cam*^R)

Rosetta(DE3)pLysS Genotype:

F– *ompT* *hsdS_B*(*r_B*[–] *m_B*[–]) *gal dcm* (DE3) *pLysSRARE* (*Cam*^R)

Rosetta 2(DE3) Genotype:

F– *ompT* *hsdS_B*(*r_B*[–] *m_B*[–]) *gal dcm* (DE3) *pRARE2* (*Cam*^R)

Rosetta 2(DE3)pLysS Genotype:

F– *ompT* *hsdS_B*(*r_B*[–] *m_B*[–]) *gal dcm* (DE3) *pLysSRARE2* (*Cam*^R)

Cat. No.	Product Description	Pack Size	Unit Price ₹
70954-3CN	Rosetta(De3) Competent Cells	0.4 ml	13360
70954-4CN		1 ml	24430
70956-3CN	Rosetta(De3)pLysS Comp Cells	0.4 ml	13390
70956-4CN		1 ml	25600
71397-3CN	Rosetta 2(De3) Competent Cells	0.4 ml	13360
71397-4CN		1 ml	24430
71403-3CN	Rosetta 2(De3)pLysS Competent Cells	0.4 ml	13390
71403-4CN		1 ml	25600

Origami™ 2(DE3) and Origami™ B(DE3) Strain Competent Cells

To enhance disulfide bond formation in the bacterial cytoplasm

Features

- Guaranteed transformation efficiencies
- Greatly enhance disulfide bond formation in the *E. coli* cytoplasm
- Provided in a 0.2 ml volume; each vial can be used for 10 x 20-ml transformations
- Prepared using an optimized chemical method

Origami™ 2 and Origami B host strains are strains that have mutations in both the thioredoxin reductase (*trxB*) and glutathione reductase (*gor*) genes, which greatly enhance disulfide bond formation in the *E. coli* cytoplasm. Expression in Origami(DE3) can yield 10-fold more active protein than in another host, even when overall expression levels are similar (Prinz 1997). The Origami 2 and Origami B strains are ideal for use with pET-32 vectors, since the thioredoxin fusion tag further enhances the formation of disulfide bonds in the cytoplasm. In the Origami B strains, the *trxB* and *gor* mutations are selectable on kanamycin and tetracycline, respectively; therefore, these strains cannot be used with plasmids that can only be selected with kanamycin or tetracycline. Unlike the Origami B strains, the Origami 2 strains are kanamycin sensitive; the *gor* mutation is still selected for by tetracycline. To reduce the possibility of disulfide bond formation between molecules, strains containing mutations in *trxB* and *gor* are recommended only for the expression of proteins that require disulfide bond formation for proper folding.

Unlike the Origami 2 host strains, which are derived from K-12, the Origami B host strains are derived from a *lacY* mutant of BL21 to enable precise control of expression levels by adjusting IPTG concentration. Thus, the Origami B strains combine the desirable characteristics of BL21, Tuner™, and Origami strains in one strain background. These strains also include the *lon* and *ompT* deficiencies of BL21 to increase protein stability.

Origami 2(DE3) Genotype:

D(*ara-leu*)7697 *DlacX74* *DphoA* *PvuII* *phoR* *araD139* *ahpC* *galE* *galK* *rpsL* *F*'[*lac*⁺ *lacI^q* *pro*] (DE3) *gor522::Tn10* *trxB* (*Str*^R, *Tet*^R)

Origami 2(DE3)pLysS Genotype:

D(*ara-leu*)7697 *DlacX74* *DphoA* *PvuII* *phoR* *araD139* *ahpC* *galE* *galK* *rpsL* *F*'[*lac*⁺ *lacI^q* *pro*] (DE3) *gor522::Tn10* *trxB* *pLysS* (*Cam*^R, *Str*^R, *Tet*^R)

Origami B(DE3) Genotype:

F– *ompT* *hsdS_B*(*r_B*[–] *m_B*[–]) *gal dcm* *lacYⁱ* *ahpC* (DE3) *gor522::Tn10* *trxB* (*Kan*^R, *Tet*^R)

Origami B(DE3)pLysS Genotype:

F– *ompT* *hsdS_B*(*r_B*[–] *m_B*[–]) *gal dcm* *lacYⁱ* *ahpC* (DE3) *gor522::Tn10* *trxB* *pLysS* (*Cam*^R, *Kan*^R, *Tet*^R)

Transformation Efficiency	Host Strain(s)
$>2 \times 10^6$ cfu/mg	Origami 2(DE3), Origami 2(DE3)pLysS Origami B(DE3)
$>1 \times 10^6$ cfu/mg	Origami B(DE3)pLysS

Cat. No.	Product Description	Pack Size	Unit Price ₹
71345-3CN	Origami™ 2(DE3) Competent Cells	0.4 ml	13360
71345-4CN		1 ml	24430
71346-3CN	Origami™ 2(DE3) pLysS Competent Cells	0.4 ml	13390
71346-4CN		1 ml	25600
70837-3CN	Origami™ B(DE3) Competent Cells	0.4 ml	13360
70837-4CN		1 ml	24430
70839-3CN	Origami™ B(DE3) pLysS Competent Cells	0.4 ml	13390
70839-4CN		1 ml	25600

Rosetta-gami™ 2(DE3), Rosetta-gami™ B(DE3), and RosettaBlue™ (DE3) Strain Competent Cells

Dual-feature strains for addressing *E. coli* codon bias and disulfide bond formation or stabilizing target plasmids

Features

- Guaranteed transformation efficiencies
- Provides six or seven rare tRNAs to alleviate *E. coli* codon bias
- Greatly enhances disulfide bond formation in the *E. coli* cytoplasm (Rosetta-gami™ 2 and Rosetta-gami B derivatives)
- Possess a mutation in the *recA* gene to help stabilize target plasmids (RosettaBlue™ derivatives)
- Provided in a 0.2 ml volume; each vial can be used for 10 x 20-μl transformations
- Prepared using an optimized chemical method

The Rosetta-gami™ 2, Rosetta-gami B, and RosettaBlue™ host strains are Rosetta or Rosetta 2 dual-feature strains designed to enhance the expression of eukaryotic proteins that contain codons rarely used in *E. coli*. Each hybrid strain also offers an additional unique benefit to overcome common recombinant protein expression issues.

Rosetta-gami 2 host strains combine the advantages of Rosetta 2 and Origami 2 strains to alleviate codon bias and enhance disulfide bond formation in the cytoplasm when expressing heterologous proteins in *E. coli*. These mutants of *trxB* and *gor* are compatible with kanamycin-resistant vectors, and carry the chloramphenicol-resistant pRARE2 plasmid, which supplies seven rare tRNAs.

Rosetta-gami B host strains combine the key features of BL21, Tuner™, Origami, and Rosetta™ genotypes to enhance both the expression of eukaryotic proteins and the formation of target protein disulfide bonds in the *E. coli* cytoplasm. These strains are compatible with ampicillin- or spectinomycin-resistant vectors.

RosettaBlue host strains are NovaBlue derivatives that combine high transformation efficiency and mutations in *recA*, *endA*, and *lacR* while enhancing expression of eukaryotic proteins by overcoming codon bias. These strains supply six tRNAs for AGG,

AGA, AUA, CUA, CCC, and GGA on a chloramphenicol-resistant plasmid. Blue/white screening is not possible with RosettaBlue (DE3) strains due to the presence of the *lacZ* α -peptide coding sequence in the λ DE3 prophage.

RosettaBlue(DE3) Genotype:

endA1 hsdR17 (r_{K12}⁻ m_{K12}⁺) supE44 thi-1 recA1 gyrA96 relA1 lac (DE3) F'[proA⁺B⁺ lac^RΔM15::Tn10] pRARE (Cam^R, Tet^R)

RosettaBlue(DE3)pLysS Genotype:

endA1 hsdR17 (r_{K12}⁻ m_{K12}⁺) supE44 thi-1 recA1 gyrA96 relA1 lac (DE3) F'[proA⁺B⁺ lac^RΔM15::Tn10] pLysSRARE (Cam^R, Tet^R)

Rosetta-gami B(DE3) Genotype:

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm lacY1 ahpC (DE3) gor522::Tn10 trxB pRARE (Cam^R, Kan^R, Tet^R)

Rosetta-gami B(DE3)pLysS Genotype:

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm lacY1 ahpC (DE3) gor522::Tn10 trxB pLysSRARE (Cam^R, Kan^R, Tet^R)

Rosetta-gami 2(DE3) Genotype:

D(ara-leu)7697 DlacX74 DphoA PvuII phoR araD139 ahpC galE galK rpsL (DE3) F'[lac^R lac^R pro] gor522::Tn10 trxB pRARE2 (Cam^R, Str^R, Tet^R)

Rosetta-gami 2(DE3)pLysS Genotype:

D(ara-leu)7697 DlacX74 DphoA PvuII phoR araD139 ahpC galE galK rpsL (DE3) F'[lac^R lac^R pro] gor522::Tn10 trxB pLysSRARE2 (Cam^R, Str^R, Tet^R)

Transformation Efficiency	Host Strain(s)
>1 x 10 ⁸ cfu/μg	RosettaBlue(DE3)
	RosettaBlue(DE3)pLysS
>2 x 10 ⁶ cfu/μg	Rosetta-gami B(DE3)
	Rosetta-gami B(DE3)pLysS
	Rosetta-gami 2(DE3)
	Rosetta-gami 2(DE3)pLysS

Cat. No.	Product Description	Pack Size	Unit Price ₹
71059-3CN	RosettaBlue™ (DE3) Competent Cells	0.4 ml	13360
71059-4CN		1 ml	24430
71034-3CN	RosettaBlue™ (DE3) pLysS Competent Cells	0.4 ml	13390
71034-4CN		1 ml	26680
71136-3CN	Rosetta-gami™ B(DE3) Competent Cells	0.4 ml	13360
71136-4CN		1 ml	24430
71137-3CN	Rosetta-gami™ B(DE3) pLysS Competent Cells	0.4 ml	13400
71137-4CN		1 ml	25640
71351-3CN	Rosetta-gami™ 2(DE3) Competent Cells *	0.4 ml	13360
71351-4CN		1 ml	24430
71352-3CN	Rosetta-gami™ 2(DE3) pLysS Competent Cells 0.4	0.4 ml	13400
71352-4CN		1 ml	25640

Tuner™ (DE3) Strain Competent Cells

Enables adjustable levels of protein expression uniformly throughout entire culture

Features

- Guaranteed transformation efficiencies of $>2 \times 10^6$ cfu/ μ g
- *LacY* mutation enables control of protein expression levels in all cells
- Provided in a 0.2 ml volume; each vial can be used for 10 x 20- μ l transformations
- Prepared using an optimized chemical method

Tuner™ strains are *lacY* deletion mutants of BL21 that allow control over the level of protein expression throughout all cells in a culture. The *lacY* mutation, which encodes the lac permease, allows uniform entry of IPTG into all cells in the population, which produces a concentration-dependent, homogeneous level of induction. By adjusting IPTG concentration, you can regulate expression from very low levels up to the robust, fully induced levels commonly associated with pET vectors. Lower level expression may enhance the solubility and activity of some target proteins.

Tuner(DE3) Genotype:

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm lacY1 (DE3)

Tuner(DE3)pLysS Genotype:

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm lacY1 (DE3) pLysS (Cam^R)

Cat. No.	Product Description	Pack Size	Unit Price ₹
70623-3CN	Tuner™(DE3) Competent Cells	0.4 ml	13060
70623-4CN		1 ml	23230
70624-3CN	Tuner™(DE3)pLysS Competent Cells	0.4 ml	13340
70624-4CN		1 ml	24410

Singles™ Competent Cell Format

High efficiency transformation in a single-tube format for T7-driven protein expression

Features

- Guaranteed transformation efficiencies: $>2 \times 10^6$ cfu/ μ g [BL21(DE3), BL21(DE3) pLysS, Origami™(DE3), Origami 2(DE3), Rosetta™(DE3), Rosetta 2(DE3)pLysS strains]
- Provided as frozen single-use aliquots in 11- reaction or 22-reaction kits
- Includes Test Plasmid and SOC Medium
- Selection λ DE3 lysogens for protein expression with pET vectors
- Prepared using an optimized chemical method

Novagen® Singles™ Competent Cells are designed for ultimate convenience and reliability in plasmid transformation. Chemically competent cells are prepared using an optimized method. The Veggie™ Singles Competent Cells are manufactured and maintained

with media and reagents derived from non-animal sources. Cells are provided in 50- μ l volumes, eliminating the need to aliquot, freeze/thaw, or waste partially used vials, saving time and money and ensuring reliable cell performance. To use, simply thaw, add DNA, incubate 5 minutes on ice, heat shock for 30 seconds, place on ice for 2 minutes, and add SOC medium.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70235-3CN	BL21(DE3) Singles™ Competent Cells	11 rxn	16990
70235-4CN		22 rxn	30620
70236-3CN	BL21(DE3)pLysS Singles™ Competent Cells	11 rxn	16990
70236-4CN		22 rxn	30620
71408-3CN	Origami™ 2(DE3) Singles™ Competent Cells	11 rxn	18200
71408-4CN		22 rxn	32980
71400-3CN	Rosetta™ 2(DE3) Singles™ Competent Cells	11 rxn	18200
71400-4CN		22 rxn	32980
71401-3CN	Rosetta™ 2(DE3) pLysS Singles™ Competent Cells	11 rxn	18100
71401-4CN		22 rxn	32980

Veggie™ Singles™ Competent Cells

Certified animal-free competent cells

Features

- Guaranteed efficiency Veggie BL21(DE3) $> 2 \times 10^6$ cfu/ μ g
- Manufactured free of animal-derived media and components
- Easy-to-use Singles™ format
- Prepared using an optimized chemical method
- Deficient in lon and ompT proteases

All Novagen Veggie Singles Competent Cells are maintained and manufactured with media and reagents derived from nonanimal sources, making these cells ideally suited for applications in which animal-free materials are necessary. Cells are provided in 50-ml volumes, eliminating the need to aliquot, freeze/thaw, or waste partially used vials. Each kit includes Test Plasmid and Veggie SOC Medium.

Veggie BL21(DE3) Singles Competent Cells

Veggie BL21(DE3) Singles Competent Cells are available for protein expression using vectors containing the T7 promoter. BL21 has the advantage of being deficient in both Lon and OmpT proteases for increased target protein stability. These strains carry a chromosomal copy of the T7 RNA polymerase gene under control of the *lacUV5* promoter. The pLysS plasmid carries the gene for T7 lysozyme, which is a natural inhibitor of T7 RNA polymerase and serves to suppress basal expression of T7 RNA polymerase prior to induction, thus stabilizing recombinants encoding target proteins that may affect cell growth and viability.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71252-3CN	Veggie™ BL21(DE3) Singles™ Competent Cells	11 rxn	20720
71252-4CN		22 rxn	39170

T7 Expression Host Strain Competent Cell Sets

Sets of strains for comparing and optimizing vector/host strain combinations

Features

- Reliably high efficiencies
- Provided in a 0.2-ml volume; each vial can be used for 10 × 20-μl transformations
- Includes SOC Medium and Test Plasmid
- Prepared using an optimized chemical method

T7 Expression Host Strain Competent Cell Sets are available for convenient, efficient transformation of pET and other T7-driven protein expression vector recombinants. These sets are offered for convenient side-by-side optimization experiments.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71207-3CN	(DE3) Competent Cell Set 1	1 set	25620
71208-3CN	(DE3) Competent Cell Set 2	1 set	25620
71209-3CN	(DE3)pLysS Competent Cell Set 1	1 set	25620
71210-3CN	(DE3)pLysS Competent Cell Set 2	1 set	25620
70232-3CN	L21 Competent Cell Set	1 set	25620
70234-3CN	HMS174 Competent Cell Set	1 set	25700
71431-3CN	Origami™ 2 Competent Cell Set*	1 set	28100
70911-3CN	Origami™ B Competent Cell Set	1 set	26900
71405-3CN	Rosetta™ 2 Competent Cell Set	1 set	26900
71079-3CN	RosettaBlue™ Competent Cell Set	1 set	26900
71432-3CN	Rosetta-gami™ 2 Competent Cell Set	1 kit	28100
71177-3CN	Rosetta-gami™ B Competent Cell Set	1 set	26900
70726-3CN	Tuner™ Competent Cell Set	1 set	26900

	BL21	BL21(DE3)	BL21(DE3)pLysS	BLR(DE3)	BLR(DE3)pLysS	HMS174	HMS174(DE3)	HMS174(DE3)pLysS	NovaBlue	NovaBlue(DE3)	Origami 2	Origami 2(DE3)	Origami 2(DE3)pLysS	Origami B	Origami B(DE3)	Origami B(DE3)pLysS	Rosetta 2	Rosetta 2(DE3)	Rosetta 2(DE3)pLysS	RosettaBlue	RosettaBlue(DE3)	RosettaBlue(DE3)pLysS	Rosetta-gami 2	Rosetta-gami 2(DE3)	Rosetta-gami 2(DE3)pLysS	Rosetta-gami B	Rosetta-gami B(DE3)	Rosetta-gami B(DE3)pLysS	Tuner	Tuner(DE3)	Tuner(DE3)pLysS	Cat. No.
(DE3) Competent Cell Set 1		●		●			●		●																				●		71207-3CN	
(DE3) Competent Cell Set 2											●		●	●			●		●	●						●					71208-3CN	
(DE3)pLysS Competent Cell Set 1			●		●		●																						●		71209-3CN	
(DE3)pLysS Competent Cell Set 2												●		●	●		●		●		●						●				71210-3CN	
BL21 Competent Cell Set	■	■	■																												70232-3CN	
HMS174 Competent Cell Set						■	■	■																							70234-3CN	
Origami 2 Competent Cell Set										■	■	■																			71431-3CN	
Origami B Competent Cell Set														■	■	■															70911-3CN	
Rosetta 2 Competent Cell Set																	■	■	■												71405-3CN	
RosettaBlue Competent Cell Set																				■	■	■									71079-3CN	
Rosetta-gami 2 Competent Cell Set																							■	■	■						71432-3CN	
Rosetta-gami B Competent Cell Set																										■	■	■			71177-3CN	
Tuner Competent Cell Set																													■	■	■	70726-3CN

●

 Contains 0.2 ml cells

■

 Contains 2 × 0.2 ml cells

● Contains 0.2 ml cells
■ Contains 2 × 0.2 ml cells

Non-λDE3 Host Strain Competent Cells

Host strains for initial cloning, controls, and expression driven by *E. coli* promoters

Features

- Guaranteed transformation efficiencies
- Provided in a 0.2-ml volume; each vial can be used for 10 × 20-μl transformations
- Includes SOC Medium and Test Plasmid
- Prepared using an optimized chemical method

These host strain competent cells are isogenic with the λDE3 lysogens used for T7 promoter– driven protein expression, but lack a source of T7 RNA polymerase. They can be used for T7-based expression by infection with λCE6, or for expression from *E. coli* promoters. NovaBlue is the standard host used for initial cloning of all Novagen® T7-driven vector constructs, due to its superior transformation efficiency and high yields of high-quality plasmid.

Transformation Efficiency	Host Strain(s)
> 1 × 10 ⁸ cfu/μg	NovaBlue, RosettaBlue
> 5 × 10 ⁶ cfu/μg	HMS174
> 2 × 10 ⁶ cfu/μg	BL21, Origami 2, Origami B, Rosetta, Rosetta 2, Rosetta-gami 2, Rosetta-gami B, Tuner

Genotypes:

BL21 F– ompT hsdS_B(r_B– m_B–) gal dcm

HMS174

F– recA1 hsdR(r_{K12}– m_{K12}+) (Rif^R)

NovaBlue

endA1 hsdR17(r_{K12}– m_{K12}+) supE44 thi–1 recA1 gyrA96 relA1 lac F'[proA⁺B⁺ lac^qZDM15::Tn10] (Tet^R)

Origami 2

Δ(ara–leu)7697 ΔlacX74 ΔphoA PvuII phoR araD139 ahpC galE galK rpsL F'[lac+ lac^q pro] gor522::Tn10 trxB (Str^R, Tet^R)

Origami B

F– ompT hsdS_B(r_B– m_B–) gal dcm lacY1 ahpC gor522::Tn10 trxB (Kan^R, Tet^R)

Rosetta 2

F– ompT hsdS_B(r_B– m_B–) gal dcm pRARE2 (Cam^R)

Rosetta

F– ompT hsdS_B(r_B– m_B–) gal dcm pRARE (Cam^R)

Rosetta-gami 2

Δ(ara–leu)7697 ΔlacX74 ΔphoA PvuII phoR araD139 ahpC galE galK rpsL F'[lac+ lac^q pro] gor522::Tn10 trxB pRARE2 (Cam^R, Str^R, Tet^R)

Rosetta-gami B

F– ompT hsdS_B(r_B– m_B–) gal dcm lacY1 ahpC gor522::Tn10 trxB pRARE (Cam^R, Kan^R, Tet^R)

RosettaBlue

endA1 hsdR17(r_{K12}– m_{K12}+) supE44 thi–1 recA1 gyrA96 relA1 lac F'[proA⁺B⁺ lac^qZDM15::Tn10] pRARE (Cam^R, Tet^R)

Tuner

F– ompT hsdS_B(r_B– m_B–) gal dcm lacY

Cat. No.	Product Description	Pack Size	Unit Price ₹
69449-3CN	BL21 Competent Cells	0.4 ml	12790
69449-4CN		1 ml	23190
69452-3CN	HMS174 Competent Cells	0.4 ml	13300
69452-4CN		1 ml	23250
69825-3CN	NovaBlue Competent Cells	0.4 ml	12180
69825-4CN		1 ml	23780
71344-3CN	Origami™ 2 Competent Cells	0.4 ml	13320
71344-4CN		1 ml	24370
70836-3CN	Origami™ B Competent Cells	0.4 ml	13320
70836-4CN		1 ml	24370
71402-3CN	Rosetta™ 2 Competent Cells	0.4 ml	13320
71402-4CN		1 ml	24370
70953-3CN	Rosetta™ Competent Cells	0.4 ml	13320
70953-4CN		1 ml	24370
71350-3CN	Rosetta-gami™ 2 Competent Cells	0.4 ml	13360
71350-4CN		1 ml	24430
71135-3CN	Rosetta-gami™ B Competent Cells	0.4 ml	13360
71135-4CN		1 ml	24430
71058-3CN	RosettaBlue™ Competent Cells	0.4 ml	13320
71058-4CN		1 ml	24370
70622-3CN	Tuner™ Competent Cells	0.4 ml	13300
70622-4CN		1 ml	23230

pETBlue™ and pTriEx™ Host Strain Competent Cells

Hosts specifically designed for T7-driven protein expression with pETBlue and pTriEx vectors

Features

- Guaranteed efficiencies:
 - >1 × 10⁸ cfu/μg (NovaBlue, RosettaBlue™ strains)
 - >2 × 10⁶ cfu/μg (Origami™ 2, Origami B, Rosetta™, Rosetta 2, Rosetta-gami™ 2, Rosetta-gami B, Tuner™ strains)
- Provided in a 0.2-ml volume; each vial can be used for 10 × 20-μl transformations
- Includes SOC Medium and Test Plasmid

Expression host strains for pETBlue™ and pTriEx™ vectors are λDE3 lysogens that also carry the compatible pLac plasmid, encoding the *lac* repressor. The chloramphenicol resistant pLac plasmid provides enough *lac* repressor to inhibit transcription from the *T7lac* promoter in high copy-number vectors in the absence of inducer.

The NovaBlue host strain is recommended for initial cloning with pETBlue and pTriEx vectors due to its superior transformation efficiency and high yields of high-quality plasmid DNA.

Note: these strains are not recommended for use with pET, pACYCDuet™, pCDF, pRSF, pCOLADuet™, Gateway® Nova DEST™, or pETcoco™ vectors.

Genotypes:

Origami 2(DE3)pLacI

D(ara-leu)7697 DlacX74 DphoA PvuII phoR araD139 ahpC galE galk rpsL F'[lac⁺ lacI^q pro] (DE3) gor522::Tn10 trxB pLacI (Cam^R, Str^R, Tet^R)

Origami B(DE3)pLacI

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm lacY1 ahpC (DE3) gor522::Tn10 trxB pLacI (Cam^R, Kan^R, Tet^R)

Rosetta 2(DE3)pLacI

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm (DE3) pLacIRARE2 (Cam^R)

Rosetta(DE3)pLacI

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm (DE3) pLacIRARE (Cam^R)

Rosetta-gami 2(DE3)pLacI

D(ara-leu)7697 DlacX74 DphoA PvuII phoR araD139 ahpC galE galk rpsL (DE3) F'[lac⁺ lacI^q pro] gor522::Tn10 trxB pLacIRARE2 (Cam^R, Str^R, Tet^R)

Rosetta-gami B(DE3)pLacI

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm lacY1 ahpC (DE3) gor522::Tn10 trxB pLacIRARE (Cam^R, Kan^R, Tet^R)

RosettaBlue(DE3)pLacI

endA1 hsdR17 (r_{K12}⁻ m_{K12}⁺) supE44 thi-1 recA1 gyrA96 relA1 lac (DE3) F'[proA⁺B⁺ lacI^qZDM15::Tn10] pLacIRARE (Cam^R, Tet^R)

Tuner(DE3)pLacI

F- ompT hsdS_B(r_B⁻ m_B⁻) gal dcm lacY1 (DE3) pLacI (Cam^R)

Cat. No.	Product Description	Pack Size	Unit Price ₹
71347-3CN	Origami™ 2(DE3) pLacI Competent Cells	0.4 ml	13390
70838-3CN	Origami™ B(DE3) pLacI Competent Cells	0.4 ml	13400
70838-4CN		1 ml	24480
71404-3CN	Rosetta™ 2(DE3) pLacI Competent Cells	0.4 ml	13390
71404-4CN		1 ml	26680
70920-3CN	Rosetta™ (DE3) pLacI Competent Cells	0.4 ml	13390
70920-4CN		1 ml	26680
71353-3CN	Rosetta-gami™ 2(DE3) pLacI Competent Cells	0.4 ml	14530
71353-4CN		1 ml	26920
71138-3CN	Rosetta-gami™ B(DE3) pLacI Competent Cells	0.4 ml	14490
71060-3CN	RosettaBlue™ (DE3) pLacI Competent Cells	0.4 ml	13390
70625-3CN	Tuner™ (DE3) pLacI Competent Cells	0.4 ml	13340
70625-4CN		1 ml	24410

HT96™ Competent Cell Format

High-efficiency competent cells predisposed in a 96-well format

Features

- Guaranteed efficiency:
>2 × 10⁶ cfu/μg
- High-throughput, 96-well format

HT96™ Competent Cells are designed for high-throughput applications. The cells are predisposed in 20-μl volumes in a sturdy 96-well polypropylene plate compatible with a variety of thermal cyclers and water baths. Wells are individually sealed and have raised rims to prevent cross-contamination. Seals can be pierced with standard pipet tips or removed for easier access. Strips of caps are also provided for reliable sealing during manipulation and storage. Groups of 24 wells can be split easily from the plate for processing smaller numbers of samples.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71012-3CN	HT96™ BL21(DE3)	1 plate	55190
71012-4CN	Competent Cells	4 plates	205350

DNase I, RNase free

For applications in which maintenance of RNA integrity is critical

DNase I, RNase free digests either single- or double-stranded DNA, producing a mixture of mono- and oligonucleotides. This purified RNase-free preparation is qualified for applications in which maintenance of the integrity of RNA is critical. The enzyme selectively degrades DNA in the presence of RNA and can be used to remove DNA template following cell-free transcription reactions. This enzyme is also useful in other applications such as DNase footprinting and nick translation. For applications requiring the use of DNase I for random double-stranded cleavage of DNA, use DNase I, ds Qualified.

Unit definition: One unit will degrade 1 mg DNA in 10 min at 37°C. The reaction mixture (50 ml) contains 80 mM HEPES pH 7.5, 10 mM NaCl, 5 mM MgCl₂, 10 mM DTT, 1 mg plasmid DNA, and enzyme.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69182-3CN	DNase I, RNase-FREE	1000 U	9430

pET Vector DNA

Individual plasmid DNAs

The pET Vectors are supplied as purified plasmid DNA (10 mg). Each order of pET DNA also includes an Induction Control strain (supplied as a glycerol stock). Complete sequences and detailed vector maps are available on the Novagen® website: www.novagen.com/vector

Cat. No.	Product Description	Unit Price ₹
69015-3CN	pET-32a(+) DNA	25980
69016-3CN	pET-32b(+) DNA	26840
69017-3CN	pET-32a(+) DNA	26840
69418-3CN	pET-3a DNA	18340
69419-3CN	pET-3b DNA	18340
69421-3CN	pET-3d DNA	18340
69431-3CN	pET-9a DNA	18340
69434-3CN	pET-9d DNA	18340
69436-3CN	pET-11a DNA	18340
69439-3CN	pET-11d DNA	18340
69659-3CN	pLysS DNA	12060
69660-3CN	pET-14b DNA	23270
69661-3CN	pET-15b DNA	24350
69662-3CN	pET-16c DNA	23270
69663-3CN	pET-17b DNA	23270
69677-3CN	pET-19b DNA	23270
69739-3CN	pET-20b(+) DNA	23270
69740-3CN	pET-21a(+) DNA	23270
69741-3CN	pET-21b(+) DNA	23270
69742-3CN	pET-21c(+) DNA	23270
69743-3CN	pET-21d(+) DNA	23270
69744-3CN	pET-22b(+) DNA	24350
69745-3CN	pET-23a(+) DNA	23270
69746-3CN	pET-23b(+) DNA	23270
69748-3CN	pET-23d(+) DNA	23270
69749-3CN	pET-24a(+) DNA	23270
69750-3CN	pET-24b(+) DNA	23270
69752-3CN	pET-24d(+) DNA	23270
69753-3CN	pET-25b(+) DNA	23270
69770-3CN	pET-21(+) DNA	23270
69771-3CN	pET-23(+) DNA	23270
69772-3CN	pET-24(+) DNA	23270
69862-3CN	pET-26b(+) DNA	23270
69863-3CN	pET-27b(+) DNA	23270
69864-3CN	pET-28a(+) DNA	24430
69865-3CN	pET-28b(+) DNA	23270
69866-3CN	pET-28c(+) DNA	23270
69871-3CN	pET-29a(+) DNA	28130
69872-3CN	pET-29b(+) DNA	28130
69909-3CN	pET-30a(+) DNA	23270
69910-3CN	pET-30b(+) DNA	23270
69911-3CN	pET-30c(+) DNA	23270
69952-3CN	pET-31b(+) DNA	33300
70090-3CN	pET-39b(+) DNA	25980
70091-3CN	pET-40b(+) DNA	26840
70556-3CN	pET-41a(+) DNA	26840
70557-3CN	pET-41b(+) DNA	26840
70561-3CN	pET-42a(+) DNA	26840
70562-3CN	pET-42b(+) DNA	26840
70610-3CN	pLacI DNA	12060

Cat. No.	Product Description	Unit Price ₹
70939-3CN	pET-43.1a(+) DNA	26840
70940-3CN	pET-43.1b(+) DNA	26840
71122-3CN	pET-44a(+) DNA	26840
71123-3CN	pET-44b(+) DNA	26840
71124-3CN	pET-44c(+) DNA	26840
71327-3CN	pET-45b(+) DNA	26840
71461-3CN	pET-47b(+) DNA	26840
71462-3CN	pET-48b(+) DNA	26840
71463-3CN	pET-49b(+) DNA	26840
71464-3CN	pET-50b(+) DNA	26840
71553-3CN	pET-51b(+) DNA	26840
71554-3CN	pET-52b(+) DNA	26840

pET Expression Systems

pET vectors plus host strains with induction control pET Expression Systems

pET Expression Systems provide core reagents needed for target gene cloning and expression.

Components:

pET Expression Systems

Components for pET Expression Systems are similar for all systems unless otherwise stated in the specific pET Expression System description. pET Expression Systems include:

- 10 mg pET vector DNA (for each indicated plasmid)
- 0.2 ml BL21 Glycerol Stock
- 0.2 ml BL21(DE3) Glycerol Stock
- 0.2 ml BL21(DE3)pLysS Glycerol Stock
- 0.2 ml Induction Control Glycerol Stock

Components:

Strep•Tag® II Kits

Introductory Strep•Tag® II Kits contain the essential reagents for Strep•Tag II fusion protein expression in *E. coli* and for fusion protein purification and detection. The kit provides either pET-51b(+) or pET-52b(+) expression vector, a 1-ml Strep•Tactin® Superflow™ Column plus buffers, and Strep•Tag II Antibody HRP Conjugate.

- 1 Strep•Tactin Superflow Column (1 ml)
- 120 ml 1X Strep•Tactin Wash Buffer
- 25 ml 1X Strep•Tactin Elution Buffer
- 120 ml 1X Strep•Tactin Regeneration Buffer
- 20 ml Strep•Tag II Antibody, HRP Conjugate
- 10 mg pET-51b(+) or pET-52b(+) DNA
- 0.2 ml Induction Control

Purification and Detection Reagents

Purification and detection reagents are available separately.

Cat. No.	Product Description	Vector(s)	Fusion Tag(s)	Unit Price ₹
69405-3CN	pET SYSTEM 11	pET-11a-d	T7•Tag	59860
70753-3CN	pET SYSTEM 14b	pET-14b	His•Tag®	29360
70755-3CN	pET SYSTEM 15b	pET-15b	His•Tag	29360
70757-3CN	pET SYSTEM 16b	pET-16b	His•Tag	29360
70759-3CN	pET SYSTEM 19b	pET-19b	His•Tag	29360
70761-3CN	pET SYSTEM 20b	pET-20b(+)	His•Tag, Signal sequence	29360
70763-3CN	pET SYSTEM 21	pET-21a-d(+)	T7•Tag, His•Tag	59670
70765-3CN	pET SYSTEM 22b	pET-22b(+)	His•Tag, Signal sequence	29360
70767-3CN	pET SYSTEM 23	pET-23a-d(+)	T7•Tag, His•Tag	59670
70769-3CN	pET SYSTEM 24	pET-24a-d(+)	T7•Tag, His•Tag	68730
70773-3CN	pET SYSTEM 26b	pET-26b(+)	His•Tag, Signal sequence	25310
70777-3CN	pET SYSTEM 28	pET-28a-c(+)	His•Tag, T7•Tag	55250
70559-3CN	pET System 41	pET-41a-c(+)	His•Tag, GST•Tag™ S•Tag	60150
70781-3CN	pET System 30	pET-30a-c(+)	His•Tag, S•Tag	55140
70783-3CN	pET System 31b	pET-31b(+)	His•Tag, KSI	36730
70785-3CN	pET System 32	pET-32a-c(+)	His•Tag, S•Tag, Trx•Tag™	73660
70942-3CN	pET System 43.1	pET-43.1a-c(+)	His•Tag, HSV•Tag®, Nus•Tag™, S•Tag	60090
71615-3CN	Introductory Strep•Tag® II Kit, pET-51b	pET-51b(+)	Strep•Tag II, His•Tag	52780

pET Peptide Expression System 31b

High-yield bioproduction of peptides and small proteins

Features

- High-yield expression of peptides and small proteins
- His•Tag® sequence facilitates protein purification
- Prepared vector facilitates cloning with minimal background

The pET Peptide Expression System 31b is designed for expression and purification of peptides and small proteins up to 100 amino acids in length. In pET-31b(+), peptide coding sequences are placed downstream of a 125-amino acid (aa) ketosteroid isomerase (KSI) gene and upstream of a His•Tag sequence. When induced, a hydrophobic KSI-peptide-His•Tag fusion protein is produced in large amounts as insoluble aggregates in the *E. coli* cytoplasm, such that target sequences are protected from degradation. Fusion proteins can be solubilized and purified under denaturing conditions using a His•Bind® affinity matrix. Typical yields are in the range of 50 mg purified protein per liter of culture.

Use of the unique AlwNI cloning site enables unidirectional insertion of coding sequences immediately adjacent to a methionine residue. For high yield production, small (10–25 aa) peptide coding sequences can be cloned as tandem repeats interspersed with single methionine residues (Rodriguez 2003, Kuliopulos 1994). The KSI-peptide-His•Tag fusion protein is expressed at high levels in the presence of T7 RNA polymerase provided by the recA–, protease

deficient BLR(DE3) plysS host (included in the Expression System). Purified fusion proteins are cleaved with CNBr to release the His•Tag peptide, insoluble KSI, and monomer peptide units each terminating with a homoserine lactone (Rodriguez 2003). Purified peptide can be easily converted to an amide or homoserine, or reacted with other compounds, such as analogs of fluorescein and biotin, to produce C-terminal derivatized peptides. The system has been used to make biologically active peptides of 14 to 67 aa at yields of >50 mg purified peptide per liter of culture (Kuliopulos 1994A, Kuliopulos 1994B).

A supplementary kit, pET31b(+) DNA, AlwNI, is available that contains the AlwNI digested, dephosphorylated vector ready to accept appropriate inserts containing ...ATG-3' and 3'-TAC... overhangs on the top and bottom strands, respectively. A Control Insert is provided to verify performance and ensure optimal cloning efficiency.

Components

Cat. No. 69954-3CN

2 µg	AlwNI digested, dephosphorylated pET-31b(+) DNA
2 pmol	AlwNI Control Insert
0.2 ml	Induction Control H glycerol stock

Cat. No.	Product Description	Pack Size	Unit Price ₹
69954-3CN	pET-31b(+) DNA, AlwNI DIGEST	40 rxn	36810

pET Expression System 45b and pCDF-1 and pRSF-1 Expression Systems

Express N-terminal His•Tag® fusion proteins containing minimal extraneous sequences

Features

- N-terminal His•Tag® fusion coding sequence
- Protease cleavage site for complete fusion tag removal
- Minimal number of extraneous amino acids encoded, depending on cloning strategy
- Optional C-terminal S•Tag™ sequence
- New replicons and antibiotic resistance marker
- Compatibility with other vectors for coexpression

The pET-45b vector is designed to allow fusion of target protein to an N-terminal His•Tag sequence that is cleavable with enterokinase after purification. With appropriate cloning strategies, no vectorencoded sequence remains as a fusion to the target protein after cleavage with enterokinase. Unfused proteins can be produced by using the NcoI cloning site. An optional C-terminal S•Tag™ coding sequence is compatible with purification, detection, and quantification.

pCDF and pRSF Vectors

Two other bacterial T7-based expression vectors, pCDF-1b and pRSF-1b, are also available with this minimal sequence feature. These vectors differ from pET-45b(+) in that they have different replicons and drug resistance genes. These two features make the pCDF-1b and pRSF-1b vectors suitable for coexpression with each other as well as with many other pET vectors.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71330-3CN	pCDF-1b DNA	10 µg	26860
71340-3CN	pCDFDuet, Nco-1 DNA	10 µg	38030
71363-3CN	pRSF-1b DNA	10 µg	26860
71364-3CN	pRSF-2 Ek/LIC Vector Kit	20 rxn	63840

pETcoco™ Systems

Controllable-copy number vectors for improved stability of constructs

Features

- T7lac promoter-driven protein expression
- Ability to control plasmid copy number
- Works with toxic proteins
- N-terminal His•Tag® sequence
- Internal S•Tag™ sequence
- Optional C-terminal HSV•Tag® sequence

The pETcoco™ System combines the advantages of T7 promoter-driven protein expression with the ability to control plasmid copy number (Sektas 2003). In the presence of 0.2% glucose, pETcoco recombinant plasmids are maintained at one copy per cell. In this single-copy state, pETcoco clones are extremely stable because background expression and gene rearrangements or deletions are virtually absent. For plasmid preparation, the copy number can be amplified to approximately 40 copies per cell independently of target gene expression by adding L-arabinose to the culture medium. Both target gene expression and plasmid plus insert amplification are induced upon addition of IPTG. Both pETcoco-1 and pETcoco-2 vectors feature N-terminal His•Tag and internal S•Tag sequences, both of which are cleavable by enterokinase, and an optional C-terminal HSV•Tag sequence. The multiple cloning region in each vector incorporates an NcoI site that can be used for expression of unfused protein. Use a recA-, endA- F- strain such as NovaF- Competent Cells for cloning target genes and Tuner™(DE3) Competent Cells for expression. Both are supplied with the pETcoco-1 and pETcoco-2 Systems.

Coexpression

The pETcoco-1 plasmid contains a pET vector-compatible origin of replication and chloramphenicol resistance marker, making it suitable for transformation into cells already containing ampicillin- or kanamycin-resistant pET or pETDuet™-1 recombinants. This enables the coexpression of multiple target genes in the same cell. The ampicillin-resistant pETcoco-2 plasmid is compatible with pET host strains supplying rare codon tRNAs and/or T7 lysozyme on a chloramphenicol-resistant plasmid, and with kanamycin-resistant pET recombinants for coexpression purposes. pETcoco-2 may also be used for coexpression with pACYCDuet™-1 recombinants with appropriate host strains.

Components

Cat. No. 71129-3CN

10 µg	pETcoco-1 DNA
0.2 ml	Induction Control

Cat. No. 71131-3CN

10 µg	pETcoco-1 DNA
0.2 ml	NovaF- Competent Cells
0.2 ml	Tuner™(DE3) Competent Cells
2 × 2 ml	SOC Medium
10 µl	Test Plasmid
0.2 ml	Induction Control

Cat. No. 71148-3CN

10 µg	pETcoco-2 DNA
0.2 ml	Induction Control

Cat. No. 71149-3CN

10 µg	pETcoco-2 DNA
0.2 ml	NovaF- Competent Cells
0.2 ml	Tuner(DE3) Competent Cells
2 × 2 ml	SOC Medium
10 µl	Test Plasmid
0.2 ml	Induction Control

Cat. No.	Product Description	Pack Size	Unit Price ₹
71129-3CN	pETcoco-1 DNA	10 µg	36690
71131-3CN	pETcoco-1 System	1 kit	57700
71148-3CN	pETcoco-2 DNA	10 µg	36790
71149-3CN	pETcoco-2 System	1 kit	57620

Gateway® Nova pET- and pCOLA-DEST™ Systems

Reliable pET expression and purification with rapid Gateway cloning

Gateway® Nova pDEST™ Vectors

Most Gateway Nova pDEST vectors are designed to create expression clones (pEXPR) that are fused to N-terminal coding sequences. Gateway Nova pET-61-DEST™ is the exception, and contains no N-terminal fusion sequences, ribosome binding site (RBS), or ATG translation initiation codon. For most Gateway Nova pDEST vectors, recombination with a pENTR™ clone that lacks a stop codon and is appropriately designed for a C-terminal fusion, results in a pEXPR clone that is also fused to a C-terminal fusion tag sequence. The exception is Gateway Nova pET-61-DEST, which has no C-terminal fusion tag coding sequence.

Many vectors offer the option of cloning "gentle elution" tags at both the N- and C-termini. This provides an ideal strategy for dual purification of full length proteins. Please see the Protein Purification chapter and the Antibodies and Detection Kits chapter for our full line of companion purification and detection products.

Target proteins fused to the S•Tag™ sequence, found in pET-54-DEST, pET-56-DEST and pET-58-DEST, allow quantification of fusion proteins using the FRETworks assay (Cat. No. 70724). The tag can also be used for purification and detection. If a protease cleavage site is cloned upstream (pET-54-DEST, pET-58-DEST) or downstream (pET-56-DEST) of the S•Tag sequence, gentle purification methods can be used.

Nus•Tag™ fusions have been shown to enhance the solubility of some target proteins. Gateway Nova pDEST vectors that generate an N-terminal Nus•Tag fusion also encode an upstream His•Tag® sequence for protein purification and a thrombin cleavage to facilitate the removal of both N-terminal fusion tags.

Gateway Nova pET-53-DEST vector

- N-terminal His•Tag
- C-terminal Strep•Tag® II, optional
- Gentle elution tags at each terminal for dual purification of full length proteins

Gateway Nova pET-54-DEST vector

- N-terminal His•Tag
- C-terminal S•Tag, optional
- Quantify S•Tag fusion protein using FRETworks assay

- Clone a protease cleavage site upstream of fusion sequence and use gentle purification methods

Gateway Nova pET-55-DEST vector

- N-terminal Strep•Tag II
- C-terminal, His•Tag, optional
- Gentle elution tags at each terminal for dual purification of full length proteins

Gateway Nova pET-57-DEST vector

- N-terminal His•Tag, Nus•Tag, thrombin cleavage site
- C-terminal Strep•Tag II, optional
- Nus•Tag for enhanced target protein solubility
- Gentle elution tags at each terminal for dual purification of full length proteins

Cat. No.	Product Description	Pack Size	Unit Price ₹
71844-3CN	Gateway Nova pET-53-DEST DNA	10 µg	31810
71856-3CN	Gateway Nova pET-53-DEST Exp System	1 system	77370
71845-3CN	Gateway Nova pET-54-DEST DNA	10 µg	31810
71846-3CN	Gateway Nova pET-55-DEST DNA	10 µg	31810
71848-3CN	Gateway Nova pET-57-DEST DNA	10 µg	31810

Gateway® Nova pET- and pCOLA-DEST™ Systems

Reliable pET expression and purification with rapid Gateway cloning

Gateway® Nova pET-58-DEST™ vector

- N-terminal His•Tag®, Nus•Tag™, thrombin cleavage site
- C-terminal S•Tag™, optional
- Nus•Tag for enhanced target protein solubility
- Quantify S•Tag fusion protein using FRETworks™ assay
- Clone a protease cleavage site upstream of fusion sequence and use gentle purification methods

Gateway Nova pET-59-DEST vector

- N-terminal His•Tag, Trx•Tag, thrombin cleavage site
- C-terminal Strep•Tag® II, optional
- Trx•Tag for enhanced target protein solubility
- Gentle elution tags at each terminal for dual purification of full length proteins

Gateway Nova pET-60-DEST vector

- N-terminal GST•Tag, thrombin cleavage site
- C-terminal His•Tag® II, optional
- GST•Tag may enhance target protein solubility
- Gentle elution tags at each terminal for dual purification of full length proteins

Gateway Nova pET-61-DEST vector

- N-terminal His•Tag, Strep•Tag II
- C-terminal stop codon, no fusion
- Dual N-terminal gentle elution tags for sequential purification strategies

Gateway Nova pET-62-DEST vector

- No N-terminal fusion, RBS, or ATG
- Use with pENTR clones containing RBS and ATG
- C-terminal His•Tag, Strep•Tag II, optional
- Dual C-terminal, gentle elution tags for sequential purification strategies

Gateway® Nova pCOLA-DEST™ vectors

The pET-DEST vectors contain the ColE1/pBR replication origin and contain an ampicillin resistance gene. The pCOLA-DEST vectors contain the ColA replication origin and contain a kanamycin resistance gene. In cases where protein solubility is enhanced in the presence of a cofactor protein or fragment, pEXPR clones derived from pET-DEST and pCOLA-DEST vectors are compatible and can be coexpressed in the expression host.

The option of cloning "gentle elution" tags at both the N- and C- termini with these vectors provides an ideal strategy for dual purification of full length proteins. Please see the Protein Purification chapter and the Antibodies and Detection Kits chapter for our full line of companion purification and detection products.

Gateway Nova pCOLA-2-DEST vector

- ColA ori, kanamycin resistance gene for coexpression with pET vectors
- N-terminal His•Tag
- C-terminal Strep•Tag® II, optional
- Gentle elution tags at each terminal for dual purification of full length proteins Gateway Nova pCOLA-2-DEST vector
- ColA ori, kanamycin resistance gene for coexpression with pET vectors
- N-terminal Strep•Tag® II
- C-terminal, His•Tag®, optional
- Gentle elution tags at each terminal for dual purification of full length proteins

Cat. No.	Product Description	Pack Size	Unit Price ₹
71849-3CN	Gateway Nova pET-58-DEST DNA	10 µg	31810
71850-3CN	Gateway Nova pET-59-DEST DNA	10 µg	31810
71851-3CN	Gateway Nova pET-60-DEST DNA	10 µg	31810
71852-3CN	Gateway Nova pET-61-DEST DNA	10 µg	31810
71853-3CN	Gateway Nova pET-62-DEST DNA	10 µg	31810
71855-3CN	Gateway Nova pCOLA-2-DEST DNA	10 µg	31810
71854-3CN	Gateway Nova pCOLA-3-DEST DNA	10 µg	31810

E. coli Ek/LIC Vector Kits

Enterokinase cleavage site for complete tag removal

The pET Ek/LIC Vectors designed for coexpression. Ek/LIC vectors for insect and mammalian expression are also available.

Components

Cat. Nos. 69077, 69076, 71071, 71072, 71144, 71335, 71337, 71364, 71570

1 µg	Ek/LIC Vector
8 µl	Ek/LIC b-gal Control Insert
25 U	T4 DNA Polymerase, LIC-qualified
50 µl	10X T4 DNA Polymerase Buffer
100 µl	100 mM DTT
50 µl	25 mM EDTA
40 µl	25 mM dATP
1.5 ml	Nuclease-free Water
22 × 50 µl	NovaBlue GigaSingles™ Competent Cells
0.2 ml	BL21(DE3) Competent Cells
0.2 ml	BL21(DE3)pLysS Competent Cells
5 × 2 ml	SOC Medium
10 µl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
69077-3CN	pET-30 Ek/LIC Vector Kit	20 rxn	63840
69076-3CN	pET-32 Ek/LIC Vector Kit	20 rxn	66220
71071-3CN	pET-41 Ek/Lic Vector Kit	20 rxn	63840
71072-3CN	pET-43.1 Ek/LIC Vector Kit	20 rxn	63840
71144-3CN	pET-44 Ek/LIC Vector Kit	20 rxn	63840
71335-3CN	pET-46 Ek/LIC Vector Kit	20 rxn	63840
71570-3CN	pET-51 Ek/LIC Vector Kit	20 rxn	63840
71337-3CN	pCDF-2 Ek/LIC Vector Kit	20 rxn	63840

E. coli 3C/LIC Vector Kit

HRV 3C protease cleavage site for complete tag removal

The pET-52 3C/LIC vector is a 3C/LIC version of pET-52b(+). It is designed for cloning and high-level expression of target proteins containing the 8 amino acid Strep•Tag® II sequence that is cleavable with human rhinovirus (HRV) 3C protease. The plasmid contains a strong T7lac promoter, an optimized ribosome binding site, and the coding sequence for the HRV 3C protease cleavage site (LeuGluValLeuPheGln ↓ GlyPro). It encodes optional sequences for a C-terminal thrombin cleavage site and a His•Tag (10-histidine) fusion.

Components

1 µg	3C/LIC Vector
8 µl	3C/LIC b-gal Control Insert
25 U	T4 DNA Polymerase, LIC-qualified
50 µl	10X T4 DNA Polymerase Buffer
100 µl	100 mM DTT
50 µl	25 mM EDTA
40 µl	25 mM dATP
1.5 ml	Nuclease-free Water
22 × 50 µl	NovaBlue GigaSingles™ Competent Cells
0.2 ml	BL21(DE3) Competent Cells
0.2 ml	BL21(DE3)pLysS Competent Cells
5 × 2 ml	SOC Medium
10 µl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
71571-3CN	pET-52 3C/LIC Vector Kit	20 rxn	63840

E. coli Xa/LIC Vector Kits

Factor Xa protease cleavage site for complete tag removal

The pET-30 and pET-32 Xa/LIC Vectors are designed for directional cloning of PCR products. These vectors have the same features and benefits as the Ek/LIC vectors, but encode a Factor Xa site instead of an enterokinase site.

Components

Cat. Nos. 70073-3CN

1 µg	Xa/LIC Vector
10 µl	Xa/LIC Control Insert
25 U	T4 DNA Polymerase, LIC-qualified
50 µl	10X T4 DNA Polymerase Buffer
100 µl	100 mM DTT
50 µl	25 mM EDTA
40 µl	25 mM dGTP
1.5 ml	Nuclease-free Water
22 × 50 µl	NovaBlue GigaSingles™ Competent Cells
0.2 ml	BL21(DE3) Competent Cells
0.2 ml	BL21(DE3)pLysS Competent Cells
5 × 2 ml	SOC Medium
10 µl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
70073-3CN	pET-30 Xa/Lic Vector Kit	20 rxn	63840

Duet Coexpression Vectors

Coexpression of multiple target proteins in E. coli

Duet vectors are T7 promoter expression vectors, each designed to coexpress two target proteins in E. coli. Use the Duet vectors together or with existing pET, pCDF, pRSF, and pETcoco™ recombinants with compatible replicons and antibiotic resistance to coexpress up to eight proteins in the same cell (Novy 2002, Held 2003).

Compatible replicons and drug resistance genes

The Duet vectors are designed with compatible replicons and drug resistance genes for effective propagation and maintenance of four plasmids in a single cell:

- pETDuet™ carries the ColE1 replicon and bla gene (ampicillin resistance)
- pACYCDuet™ carries the P15A replicon and cat gene (chloramphenicol resistance)
- pCDFDuet™ carries the CloDF13 replicon and aadA gene (streptomycin/spectinomycin resistance)
- pRSFDuet™-1 carries the RSF1030 replicon and kan gene (kanamycin resistance).
- pCOLADuet™ carries the COLA replicon from ColA and the kan gene (kanamycin resistance).

T4 DNA Polymerase, LIC-qualified

The LIC cloning procedure uses T4 DNA polymerase to produce specific, noncomplementary 12-15 base single-stranded overhangs. The Novagen T4 DNA Polymerase has been qualified for ligation-independent cloning by a unique assay that verifies its performance.

Each vector carries two expression units, each controlled by a T7lac promoter for high-level protein expression. Each promoter is followed by a ribosome binding site and multiple cloning region. A T7 terminator follows the second multiple cloning sequence. The multiple cloning regions have restriction sites that facilitate the cloning of two genes and the transfer of inserts from other pET constructs. The Duet vectors are designed with the option of producing native unfused proteins or fusions to His•Tag® and S•Tag™ sequences for detection and purification of protein complexes.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71146-3CN	pETDuet-1 DNA	10 µg	39110
71341-3CN	pRSFDuet-1 DNA	10 µg	39110
71147-3CN	pACYCDuet™-1 DNA	10 µg	39110
71406-3CN	pCOLADuet™-1 DNA	10 µg	38030

Components

Cat. No. 70099-3CN

250 U T4 DNA Polymerase, LIC, qualified
500 µl 10 x T4 DNA Polymerase Buffer

Cat. No.	Product Description	Pack Size	Unit Price ₹
70099-3CN	T4 DNA Polymerase, LIC-Qualified	250 U	35460

pETBlue™ System

Tightly controlled T7-driven expression plus blue/white screening and high plasmid yield

The pETBlue™ System combines the visual identification of recombinants and high plasmid copy number, found in popular blue/white screening vectors, with the tightly controlled high yield protein expression obtained with pET vectors. Blue/white screening in appropriate hosts is achieved using a weak constitutive E. coli promoter (tet) to drive expression of the lacZ a-peptide, whereas expression of target genes in pLacI strains is driven by a T7lac promoter in the opposite orientation. Insertion of target sequences into the multiple cloning site (MCS) disrupts expression of the lacZ a-peptide and produces a white colony phenotype in the NovaBlue strain when plated in the presence of X-gal. Because T7-driven protein expression requires inserts to be cloned in an antisense orientation relative to the tet promoter, basal expression of target sequences is virtually absent. The highcopy number pUC origin of replication present on pETBlue plasmids greatly increases plasmid yields relative to the pET vectors and provides an advantage for sequencing, mutagenesis, and other plasmid manipulations.

Target genes in pETBlue vectors can be expressed at high levels, provided that the inserted sequences are in the sense orientation relative to the T7lac promoter, and meet the translation requirements defined by each vector. Protein expression is accomplished by transforming the recombinant pETBlue plasmid into the appropriate host strain, e.g., Tuner™(DE3)pLacI, followed by induction with IPTG. Compatible expression hosts supply sufficient lac repressor via the compatible pLacI plasmid to ensure low level uninduced expression.

pETBlue-1

pETBlue-1 facilitates the expression of unfused, native protein from inserts that encode an open reading frame at the 5'-end. The EcoRV cloning site (GATATC) in this vector is optimally positioned relative to the strong T7 gene 10 ribosome binding site (RBS). Inserts that either possess an ATG start codon or an appropriately positioned G-nucleotide at the 5'-end will create an optimal E. coli translation initiation site.

pETBlue-2

pETBlue-2 provides a vector-encoded ATG start codon and a variety of downstream cloning sites. In-frame cloning of any insert is facilitated by the presence of two sets of three overlapping blunt

cutting sites at both the 5'- and 3'-ends of the multiple cloning sites. The blunt end created by each of these enzymes terminates in a different position of the codon triplet in the vector-defined reading frame. Therefore, when inserted in the appropriate orientation, any insert can be cloned in-frame by cutting the vector with the appropriate combination of blunt cutting enzymes. Furthermore, any insert that lacks an internal stop codon can be cloned in-frame with the C-terminal HSV•Tag® and His•Tag® sequences.

Components

Cat. No. 70673-3CN, 70674-3CN

20 µg	pETBlue-1 DNA or pETBlue-2 DNA
0.2 ml	NovaBlue Competent Cells
0.2 ml	Tuner™(DE3)pLacI Competent Cells
2 x 2 ml	SOC Medium
2 ng	Test Plasmid
500 pmol	pETBlueUP primer
500 pmol	pETBlueDOWN primer

Cat. No.	Product Description	Pack Size	Unit Price ₹
70673-3CN	pETBLUE-1 SYSTEM	1 kit	40180
70674-3CN	pETBLUE-2 SYSTEM	1 kit	46570

Bacteriophage CE6

λ phage for delivery of T7 RNA polymerase

Bacteriophage CE6 is a recombinant lambda phage containing the T7 RNA polymerase gene (Studier 1986). The polymerase gene is cloned into the int gene, such that it is transcribed from the pL and pI promoters of the phage during infection. ICE6 can be used to provide a source of T7 RNA polymerase to susceptible host cells carrying T7 expression plasmids. In general, it is used when a target gene is so toxic that the plasmid cannot be maintained in DE3 lysogenic hosts, or with alternative hosts that are not DE3 lysogens. The phage has lcl857 immunity and the Sam7 mutation, which requires supF hosts for lytic growth (neither lytic growth nor different immunity are required for T7 RNA polymerase synthesis). It is provided as a high titer lysate and includes host strains LE392 ($r_{K12}^- m_{K12}^+$) and ED8739 ($r_{K12}^- m_{K12}^-$) as glycerol stocks. The 10-ml size is enough to induce up to 100 ml culture.

Components

• 0.2 or 10 ml	Bacteriophage CE6
• 0.2 ml or 100 ml	LE392 Glycerol Stock
• 0.2 ml or 100 ml	ED8739 Glycerol Stock

Cat. No.	Product Description	Pack Size	Unit Price ₹
69390-3CN	Bacteriophage CE6	0.2 ml	13420
69390-4CN		10 ml	52810

λDE3 Lysogenization Kit

Construction of bacterial strains that carry inducible T7 RNA polymerase.

The λDE3 Lysogenization Kit is designed for site-specific integration of λDE3 prophage into an *E. coli* host cell chromosome, such that the lysogenized host can be used to express target genes cloned in pET vectors. λDE3 is a recombinant phage carrying the cloned gene for T7 RNA polymerase under lacUV5 control. Lysogens are prepared by coinfection with the three provided phages, and can be verified by plating the T7 Tester Phage (a T7 RNA polymerase deletion mutant). This phage is unable to make a plaque on cells that lack T7 RNA polymerase, but makes normal plaques on λDE3 lysogens in the presence of IPTG. The T7 RNA Polymerase Monoclonal Antibody can be used to verify the presence of T7 RNA polymerase in the host strain by Western blot analysis.

Components

Cat. No. 69734-3CN

• 50 ml	λDE3 Phage Lysate
• 50 ml	Helper Phage Lysate
• 50 ml	Selection Phage Lysate
• 50 ml	T7 Tester Phage Lysate
• 0.2 ml	HMS174(DE3) glycerol stock

Cat. No. 69725-3CN

• 50 ml	λDE3 Phage Lysate
• 50 ml	Helper Phage Lysate
• 50 ml	Selection Phage Lysate
• 50 ml	T7 Tester Phage Lysate
• 0.2 ml	HMS174(DE3) glycerol stock
• 1 mg	pLysS DNA
• 1 mg	pLysE DNA

Cat. No.	Product Description	Pack Size	Unit Price ₹
69734-3CN	λDE3 Lysogenization Kit	10 rxn	32960
69725-3CN	λDE3 Lysogenization Kit plus pLysS & pLysE	10 rxn	47750

pLex™ Expression Vectors

For rapid, high-level expression in insect cells pLex™ Vectors

The pLex Vectors are designed for rapid, highlevel protein expression in insect cells without the time-consuming process of creating a recombinant baculovirus. The vectors feature the hr5 enhancer and the ie1 (immediate early) promoter to direct expression in insect cells. This promoter/enhancer combination recruits endogenous insect cell transcription machinery, thereby avoiding baculovirus infection and the associated cytotoxic effects. Ten vectors offer a variety of N-terminal and optional C-terminal fusion tags as well as choices for no fusion tags. pLex-3, -5, and -10 feature secretion signals. pLex-1, -2, -3, -4, -5, -6, -8, -9, and -10 are offered as uncut DNA and pLex-1, -2, -3, -7, -8, and -9 are offered as LIC-prepared vectors.

pLex Vectors

Vector	Promoter(s)	Signal sequence	Fusion tags		Protease cleavage sites	LIC vector
			N-terminal	C-terminal		
pLex-1	hr5/ie1	No	His•Tag®/S•Tag™	HSV•Tag®	b/Ek	Yes
pLex-2	hr5/ie1	No	GST•Tag™/His•Tag/S•Tag	HSV•Tag	Tb/Ek	Yes
pLex-4	hr5/ie1	No	None	S•Tag/His•Tag	None	No
pLex-5	hr5/ie1	Yes	None	S•Tag/His•Tag	None	No
pLex-6	hr5/ie1	No	His•Tag	S•Tag	Ek	No
pLex-10	hr5/ie1	Yes	Strep•Tag II	His•Tag	Ek	Yes

3C: HRV 3C; Ek: enterokinase; Tb: thrombin

To generate stable insect cell lines, cotransfect pLex vectors with pLE1-neo and select with G418.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71241-3CN	pLex-1 DNA	20 µg	36790
71238-3CN	pLex-2 DNA	20 µg	36790
71235-3CN	pLex-4 DNA	20 µg	36690
71242-3CN	pLex-5 DNA	20 µg	36790
71333-3CN	pLex-6 DNA	20 µg	36790
71557-3CN	pLex-10 DNA	20 µg	36790
70171-3CN	pLE1-neo DNA	10 µg	25680

pLex™ Ek/LIC Vector Kits

Directional PCR cloning for plasmid-based expression in insect cells

pLex™-1, -2, -3, -7, -8, and -10 are available as Ek/LIC-prepared vectors for rapid, directional cloning. Ek/LIC vectors incorporate an enterokinase cleavage site to allow complete removal of N-terminal fusion tags.

The pLex Vectors are designed to allow rapid, high-level protein expression in insect cells without the time-consuming process of creating recombinant baculovirus. The vectors feature the hr5 enhancer and the ie1 (immediate early) promoter to direct expression in insect cells. This promoter/ enhancer combination recruits endogenous insect cell transcription machinery, avoiding baculovirus infection and the associated cytotoxic effects

Components

Cat. Nos. 71237, 71240, 71245, 71339, 71572, 71574

1 µg	Ek/LIC Vector
8 µl	Ek/LIC b-Gal Control Insert
25 U	LIC-qualified T4 DNA Polymerase
50 µl	T4 DNA Polymerase Buffer
100 µl	100 mM DTT
40 µl	25 mM dATP
50 µl	25 mM EDTA
1.5 ml	Nuclease-free Water
22 × 50 µl	NovaBlue GigaSingles™ Competent Cells
5 × 2 ml	SOC Medium
10 µl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
71237-3CN	pLex-1 Ek/Lic Vector Kit	20 rxn	51590
71240-3CN	pLex-2 Ek/Lic Vector Kit	20 rxn	60040
71245-3CN	pLex-3 Ek/Lic Vector Kit	20 rxn	60040
71339-3CN	pLex-7 Ek/Lic Vector Kit	20 rxn	60040
71572-3CN	pLex-8 Ek/Lic Vector Kit	20 rxn	60040
71574-3CN	pLex-10 Ek/Lic Vector Kit	20 rxn	58960

pLex/Bac™ Expression Vectors

Dual-purpose vectors for direct transfection or baculovirus production

Features

- AcNPV hr5/ie1 promoter/enhancer for plasmid-mediated and early baculovirus expression
- AcNPV p10 very late promoter for late baculovirus expression
- Use in InsectDirect™ System for HT screening
- Use in BacMagic™ or BacVector® System for robust protein expression
- N-terminal and C-terminal fusion tags for dual purification strategies
- Four pLex/Bac plasmids offer choice of purification strategies
- Available as LIC Vector Kits for efficient, flexible ligation-independent cloning

pLex/Bac™ dual-purpose vectors contain 2 Autographa californica nuclear polyhedrosis virus (AcNPV) promoters. The hr5 enhancer/ ie1 promoter combination is used for plasmid-mediated and early baculovirus-mediated expression. All pLex/Bac vectors carry AcNPV-derived virus regions to mediate recombination into the baculovirus backbone.

The recombination region upstream of the hr5/ie1/p10 enhancer/ promoter combination is lef2 and ORF603, while the recombination region downstream of the ie1 terminator is a partial ORF1629.

Following the generation of recombinant baculovirus, the AcNPV p10 very late promoter is used for robust baculovirus-mediated late/ very late expression.

The unique pLex/Bac vectors are compatible with both Insect Direct transfection for plasmid-mediated expression and with the BacMagic System or the BacVector System to generate recombinant baculovirus. Because pLex/Bac vectors are compatible with both plasmid-mediated and baculovirus expression, it is easy to use a single construct for both rapid HT screening and optimized, high-yield protein expression.

The pLex/Bac vectors are also available prepared for ligation-independent cloning (LIC) for efficient directional cloning of PCR products.

To generate stable insect cell lines, cotransfect pLex/Bac vectors with pIE1-neo and select with G418

Cat. No.	Product Description	Pack Size	Unit Price ₹
71724-3CN	pLex/Bac-1 DNA	20 rxn	40480
71726-3CN	pLex/Bac-3 DNA	20 rxn	40480
71731-3CN	pLex/Bac-3 3c/Lic Vector Kit	20 rxn	65020
71727-3CN	pLex/Bac™-4 DNA	20 µg	32960

BacMagic™ Kits

Prepare recombinant baculoviruses in less time

Features

- No plaque purification of recombinant virus
- Chitinase deletion maximizes secreted and membrane-targeted protein production
- v-cath deletion in BacMagic Dvc improves quality and yield of target protein
- Compatible with pEx/Bac™, pBAC™, pTriEx™ and other transfer plasmids

TBacMagic™ DNAs generate recombinant baculoviruses for target protein expression in insect cells without the tedious, timeconsuming plaque purification steps. Derived from an AcNPV genome, BacMgic DNAs delete a portion of the essential open reading frame (ORF) 1629, preventing nonrecombinant virus from replicating in insect cells. The nonessential chitinase (*chiA*) gene is deleted to improve production of secreted and membrane-targeted proteins. BacMagic Dvc additionally deletes the v-cath gene, a cathepsin-like cysteine protease, resulting in significantly improved quality and yield for most target proteins.

BacMagic DNAs contain a bacterial artificial chromosome (BAC) in place of the polyhedron (*polh*) coding sequence. A compatible transfer plasmid (e.g., pEx/Bac™, pBAC™, pTriEx™ vectors) containing the target coding sequence is cotransfected with BacMagic DNA into insect cells. In the cells, homologous recombination restores the viral ORF1629 and the target coding sequence replaces the BAC sequence. Only recombinant baculovirus can replicate, producing a homogeneous population of recombinants.

BacMagic and BacMagic Dvc Transfection Kits contain the respective BacMagic DNA, Insect GeneJuice® Transfection Reagent, Sf9 cells, BacVector® Medium, and a positive control plasmid, all of which have been qualified for optimal transfection performance.

BacMagic and BacMagic Dvc DNA Kits provide the respective BacMagic DNA, Insect GeneJuice Transfection Reagent, and a positive control plasmid.

Components

Cat. No. 71545-3CN, 72157-3CN

0.5 µg	BacMagic or BacMagic Dvc DNA
30 µl	Insect GeneJuice® Transfection Reagent
2 µl	Transfection Control Plasmid

Cat. No. 71546-3CN, 72158-3CN

0.5 µg	BacMagic or BacMagic Dvc DNA
30 µl	Insect GeneJuice Transfection Reagent
2 x 1 ml	Sf9 Cells
1 L	BacVector® Insect Cell Medium
2 µg	Transfection Control Plasmid

BacMagic™ System:

Streamlined baculovirus method

Day 1	Cotransfect insect cells with recombinant transfer plasmid plus an AcNPV BacMagic DNA
Day 5	Harvest recombinant baculovirus; screen for expression; amplify viral stock (titer stock, optional)
Days 8-10	Infect insect cells and express protein
Days 11-13	Harvest cells and proceed with purification

Cat. No.	Product Description	Pack Size	Unit Price ₹
71545-3CN	BacMagic DNA KIT	5 rxn	71150
71546-3CN	BacMagic TRANSFECTION KIT	5 rxn	103160
72157-3CN	BacMagic-2 DNA Kit	5 rxn	72420
72158-3CN	BacMagic-2 Transfection Kit	5 rxn	103220
72350-3CN	BacMagic-3 DNA Kit	1 EA	76130
72351-3CN	BacMagic-3 Transfection Kit	1 EA	106830

BacVector® Transfection Kits

Convenient, high-efficiency construction of recombinant baculoviruses

Features

- Greater than 95% recombinants
- BacVector®-2000 DNA engineered to remove five nonessential genes to increase target protein expression
- BacVector-3000 DNA engineered to remove two additional genes (*v-cath* and chitinase) encoding proteolytic and degradative enzymes
- Presence of *lacZ* gene for easy visual identification of non-recombinants
- Low cost per transfection
- Compatible with pEx/Bac™, pBAC™, and pTriEx™ plasmids and other transfer plasmids

BacVector Transfection Kits are designed for efficient and reliable construction of baculovirus recombinants with pEx/Bac, pBAC, pTriEx, or other compatible transfer plasmid DNA. BacVector Triple Cut Virus DNA has the *lacZ* gene in place of the AcNPV polyhedrin gene. During recombination the target gene replaces the *lacZ* gene making the clear recombinants easy to distinguish from the parental virus. BacVector Triple Cut Virus DNA has been digested with a restriction enzyme that cuts within the essential gene ORF1629, upstream of the *lacZ* gene and *polh* promoter, and within the *lacZ* gene (Kitts 1993). BacVector Triple Cut Virus DNA thus has an extremely low non-recombinant background, and typically produces >95% recombinant plaques. BacVector Transfection Kits also contain Insect GeneJuice® Transfection Reagent, Sf9 Insect Cells, BacPlaque™ Agarose, and a Transfection Control Plasmid, all of which have been qualified for optimal transfection performance.

BacVector DNA Kits contain the Triple Cut Virus DNA, Insect GeneJuice Transfection Reagent, and a Transfection Control Plasmid.

Components

Cat. Nos. 70059-3CN, 70030-3CN, 70077-3CN

2 × 0.6 µg	BacVector-1000 Triple Cut Virus DNA (Cat. No. 70059) or BacVector-2000 Triple Cut Virus DNA (Cat. No. 70030) or BacVector-3000 Triple Cut Virus DNA (Cat. No. 70077)
2 µg	Transfection Control Plasmid
3 vials	Sf9 Insect Cells
2 × 3 g	BacPlaque™ Agarose
2 × 30 µl	Insect GeneJuice® Transfection Reagent
2 × 500 µl	X-Gluc Solution
1.5 ml	Nuclease-free Water

Cat. Nos. 70057-3CN, 70058-3CN, 70078-3CN

2 × 0.6 µg	BacVector Triple Cut Virus DNA
2 × 30 µl	Insect GeneJuice Transfection Reagent
2 µg	Transfection Control Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
70058-3CN	BacVector®- 2000 DNA Kit	12 rxn	47810
70078-3CN	BacVector®- 3000 DNA Kit	12 rxn	47810
70059-3CN	BacVector®- 1000 Transfection Kit	1 kit	76800
70030-3CN	BacVector®- 2000 Transfection Kit	1 kit	88420
70077-3CN	BacVector®- 3000 Transfection Kit	1 kit	88420
70590-3CN	BacVector® Insect Cell Medium	1 L	13190

Baculovirus Transfer Plasmids

Features

- *polh* locus of integration
- Compatible with BacMagic™ DNA and BacVector®-1000, -2000, and -3000 Triple Cut DNA
- High-copy plasmid origin of replication
- Ampicillin resistance marker
- pBAC_{gus} versions express β-glucuronidase (*gus*) for color identification of baculovirus recombinants

The Novagen® baculovirus transfer plasmids are designed for convenient cloning and expression of target genes from baculovirus vectors. Optional features include fusion tags for detection and purification, *gus* marker gene for positive identification of recombinants, and coexpression of multiple genes. All pEx/Bac™, pBAC™, and pTriEx™ transfer plasmids are supplied as highly purified supercoiled DNA.

Early Expression for Glycoproteins, Secreted Proteins, and Highly Processed Proteins

The pBAC-5 and pBAC-6 transfer plasmids have the *gp64* promoter for gene expression beginning soon after infection. The early promoter, enables expression of target genes before virus-induced cytopathic effects compromise the function of protein processing pathways, particularly those involved in glycosylation and secretion (Jarvis 1996). Thus, higher levels of biologically active protein may be expressed from these vectors than from classical *polh*-based vectors. The pBAC-5 and pBAC-6 transfer plasmids contain a modified *gp64* tandem promoter with both an immediate early promoter and a late promoter, for continued expression in the late phase of infection. In addition, pBAC-5 and pBAC-6 may be used as expression plasmids in the absence of virus for transient expression assays in transfected insect cells, as well as for the isolation of stably transfected insect cell lines expressing target proteins when cotransfected with pIE1-neo. The pBAC-5 and pBAC-6 transfer plasmids encode His•Tag® and S•Tag™ sequences. pBAC encodes the 21-amino acid *gp64* signal peptide sequence.

High-level Expression under *polh* Promoter

The pBAC™-1, -2cp, and -3 transfer plasmids are designed for high-level expression of proteins under control of the *polh* promoter during the very late phase of infection. The pBAC-1 transfer plasmids are designed for expression of proteins without additional tags.

The pBAC-3 transfer plasmid is designed for expression of secreted proteins. In addition to the S•Tag and His•Tag sequences, it encodes the 21-amino acid *gp64* signal peptide sequence.

Coexpression with One Recombinant Virus

The pBAC4x plasmids are designed for coexpression of up to four genes in the same cell, during the very late phase of infection. These vectors are extremely useful for the expression of multisubunit proteins, multiple copies of a gene, multiprotein complexes, and for studies of protein:protein interactions (Weyer 1991, Belyaev 1993, Belyaev 1995). The pBAC4x vectors include two copies of the *polh* promoter and two copies of the p10 promoter.

Production and secretion of SEAP protein

The secreted human placental alkaline phosphatase gene (SEAP) was cloned into the NcoI site of pBAC-3 and pBAC-6. Sf9 cells, in serum-free medium, were infected with BacVector-3000 recombinant viruses. Samples of the medium (10 µl) were taken at the indicated times and analyzed by Western blot. Expression under *polh* control (pBAC-3/SEAP) was detectable from 24 h post-infection. Expression under *gp64* control (pBAC-6/SEAP) was detectable by 6 h post-infection, and increased through 52 h post-infection. SEAP was detected using S-protein Alkaline Phosphatase Conjugate.

Baculovirus Surface Display of Target Proteins

The pBACsurf-1 transfer plasmid is designed for in-frame insertion of target genes between the *gp64* signal sequence and the mature protein coding sequence (under the control of the *polh* promoter). Expressed fusion proteins, including glycoproteins, are secreted and incorporated onto the virion surface, anchored by the

transmembrane domain of *gp64* (Boublik 1995). Target proteins are displayed at the poles of the virion, where they appear to be localized as hetero-oligomers with the wild-type *gp64* also encoded by the virus (Boublik 1995).

Target proteins may be displayed on virus or cell surface if the insert lacks a stop codon and maintains the appropriate open reading frame with the downstream *gp64* gene. Inserts in-frame with the N-terminal *gp64* signal sequence and carrying an internal stop codon can produce target proteins that may be secreted from the recombinant virus-infected cell, provided they lack a membrane-spanning sequence.

Multisystem Expression with pTriEx™ Vectors

The pTriEx-1.1–7 vectors are compatible with BacVector Triple Cut Virus DNA for construction and high-level expression of recombinant baculoviruses. Expression is driven from the very late p10 promoter, and the vectors offer a choice of fusion tag configurations. In addition, these vectors contain promoters for expression in bacterial and mammalian cells.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70003-3CN	pBAC™-1 DNA	10 µg	25680
70088-3CN	pBAC™-3 DNA	10 µg	25680
70222-3CN	pBAC™-5 DNA	10 µg	25680
70224-3CN	pBAC™-6 DNA	10 µg	25680
70045-3CN	pBAC™ 4x- 1 DNA	10 µg	25680
70055-3CN	pBACsurf-1 DNA	10 µg	25680

pBiEx™ Multisystem Expression Vectors

Nonlytic expression in insect cells plus tightly regulated *E. coli* expression

The pBiEx™ Vectors are designed for rapid expression of target genes in both *E. coli* and insect cells, and are suitable for protein expression screening in insect cells, without the time-consuming process of creating a recombinant baculovirus. The vectors feature the tightly controlled *T7lac* promoter for protein expression in *E. coli* when transferred into a λ DE3 host that allows induction with IPTG. Expression can also be achieved in non-DE3 *E. coli* hosts, such as NovaBlue, by infection with λ CE6, a phage that constitutively expresses T7 RNA polymerase. The vectors also feature the hr5 enhancer and the ie1 (immediate early) promoter for plasmid-directed, target expression screening in insect cells.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71234-3CN	pBiEx™-1 DNA	20 µg	38010

pTriEx™ Multisystem Expression Vectors

High-level plasmid-directed expression in mammalian cells

pTriEx™ Multisystem Expression Vectors enable high-level, "broad-spectrum" transient expression in vertebrate cells driven by either a β -actin promoter or CMV promoter, along with CMVie enhancer and rabbit

β -globin polyadenylation signals. RNA generated from the β -actin or CMV promoter in these vectors possesses an intron designed to facilitate mRNA processing and export. In addition, the patented pTriEx vectors contain the tightly controlled *T7lac* promoter, for inducible expression in *E. coli*, and p10 baculovirus promoter, for high-level expression in baculovirus-infected insect cells. Translation initiation signals include a ribosome binding site for bacterial expression followed by an optimal consensus sequence for mammalian cell expression. Other features include AcNPV recombination sites to generate recombinant baculoviruses, blunt-cutting restriction enzyme sites in every open reading frame at both ends of the multiple cloning site to facilitate in-frame cloning, ampicillin resistance marker, pUC replication origin for superior plasmid yield, choice of N-terminal His•Tag®/S•Tag™ or Strep•Tag® II or C-terminal HSV•Tag®/His•Tag or His•Tag sequences for detection, and purification, and protease cleavage sites for effective removal of N-terminal fusion tags.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70840-3CN	pTriEx™-1.1 DNA	20 µg	36790
70823-3CN	pTriEx™-3 DNA	20 µg	36790
70824-3CN	pTriEx™-4 DNA	20 µg	36690
71558-3CN	pTriEx™-5 DNA	20 µg	36790
71559-3CN	pTriEx™-6 DNA	20 µg	36790

pTriEx™ Ek/LIC Vector Kits

Directional PCR cloning into a multisystem expression vector

The pTriEx™ Ek/LIC Vector Kits are designed for convenient and highly efficient ligation independent cloning (LIC) of target genes into the versatile pTriEx vectors, starting with inserts amplified with appropriate primers. LIC expression vectors provide efficient directional cloning of PCR products and their subsequent expression in bacterial, insect, or mammalian cells.

Components

Cat. No. 70905-3CN

1 µg	pTriEx Ek/LIC Vector
8 µl	Ek/LIC b-Gal Control Insert
25 U	T4 DNA Polymerase, LIC-qualified
50 µl	10X T4 DNA Polymerase Buffer
100 µl	100 mM DTT
50 µl	25 mM EDTA
40 µl	25 mM dATP
1.5 ml	Nuclease-free Water
22 × 50 µl	NovaBlue GigaSingles™ Competent Cells
0.2 ml	Origami™ B(DE3)pLacI Competent Cells
5 × 2 ml	SOC Medium
10 µl	Test Plasmid

Cat. No.	Product Description	Pack Size	Unit Price ₹
70905-3CN	pTriEx™-4 Ek/LIC Vector Kit	20 rxn	59830
71575-3CN	pTriEx™-5 Ek/LIC Vector Kit	20 rxn	60150
71577-3CN	pTriEx™-7 Ek/LIC Vector Kit	20 rxn	60150

pTriEx™-6 3C/LIC Vector Kit

Directional PCR cloning into a multisystem expression vector

The pTriEx™-6 3C/LIC vector is a LIC-prepared version of pTriEx-6. The pTriEx-6 3C/LIC vector is uniquely designed to allow rapid characterization of target genes in multiple expression systems. With this vector, a single recombinant plasmid can be used to test expression in *E. coli*, insect, and mammalian cells. The pTriEx-6 3C/LIC vector contains an N-terminal 8 amino acid Strep•Tag® II coding sequence followed by a HRV 3C protease cleavage site and a multiple cloning site, with the option to include a C-terminal thrombin protease cleavage site and His•Tag® coding sequence with 10 histidines.

Components

1 µg	pTriEx-6 3C/LIC Vector
8 µl	3C/LIC b-gal Control Insert
25 U	T4 DNA Polymerase, LIC-qualified
50 µl	10X T4 DNA Polymerase Buffer
100 µl	100 mM DTT
40 µl	25 mM dATP
50 µl	25 mM EDTA
1.5 ml	Nuclease-free Water
22 × 50 µl	NovaBlue GigaSingles™ Competent Cells
2 × 0.2 ml	Origami™ B(DE3)pLacI Competent Cells
5 × 2 ml	SOC Medium
10 µl	Test Plasmid (ampicillin resistant)

Cat. No.	Product Description	Pack Size	Unit Price ₹
71576-3CN	pTriEx™-6 3C/LIC Vector Kit	20 rxn	60150

pTriEx™ Stable Expression Vectors

Select stable mammalian cell lines expressing genes of interest

The Novagen® pTriEx™ stable expression vectors are designed to efficiently select mammalian cell lines expressing target genes. This is achieved by translation of both the gene of interest and a

downstream selective marker gene from a single messenger RNA, which ensures that all drug-resistant cells also produce the target protein. Translation of the selective marker gene is controlled by an EMCV-derived Cap-Independent Translation Enhancer (CITE, or IRES, internal ribosome entry site; Jang 1988, Jackson 1990). After selection with neomycin or hygromycin, virtually all surviving cells exhibit stable highlevel expression of target gene, eliminating the need to screen a large number of surviving colonies.

The pTriEx based stable expression vectors contain the following expression elements:

the *T7lac*, p10 and β-actin promoters; a multi-cloning site; the IRES (CITE); the antibiotic resistance gene (either neomycin phosphotransferase, *nptII*, or hygromycin B phosphotransferase, *hph*); and the rabbit β-globin polyadenylation signal.

All of the multisystem expression features of the pTriEx vectors are maintained in the selective marker vectors. The β-actin promoter (CAG) or CMV promoter followed by *T7lac* and p10 promoters are used to direct the high-level expression of target genes in mammalian cells, *E. coli*, and baculovirusinfected insect cells, respectively. Translation initiation signals include a ribosome binding site for bacterial expression followed by an optimal consensus sequence for vertebrate cell expression (Kozak 1989). All of the vectors encode optional C-terminal HSV•Tag® and His•Tag® sequences. The pTriEx-2 and -4 versions also encode N-terminal His•Tag and S•Tag™ sequences followed by thrombin and enterokinase cleavage sites.

For mammalian expression, pTriEx stable expression vectors are optimally transfected using GeneJuice® Transfection Reagent for high efficiency with minimal cytotoxicity for many cell lines.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70928-3CN	pTriEx™-1.1 Hygro DNA	20 µg	36790
70929-3CN	pTriEx™-2 Neo DNA	20 µg	36690
70931-3CN	pTriEx™-3 Neo DNA	20 µg	36790
70933-3CN	pTriEx™-4 Neo DNA	20 µg	36790

pTriEx Stable Expression Vectors

Vector	Promoters	Fusion Tags		Protease Cleavage Sites	Special Features
		N-terminal	C-terminal		
pTriEx-1.1 Hygro	<i>T7lac</i> , p10, β-actin	none	HSV•Tag® His•Tag®	none	Optional C-terminal tags Hygromycin selection
pTriEx-2 Neo	<i>T7lac</i> , p10, β-actin	His•Tag S•Tag	HSV•Tag His•Tag	thrombin enterokinase	N-terminal tags Homogeneous FRET assay Neomycin selection
pTriEx-3 Neo	<i>T7lac</i> , p10, CMV	none	HSV•Tag His•Tag	none	Optional C-terminal tags Neomycin selection
pTriEx-4 Neo	<i>T7lac</i> , p10, CMV	His•Tag S•Tag	HSV•Tag His•Tag	thrombin enterokinase	N-terminal tags Homogeneous FRET assay Neomycin selection

pTandem™-1 Mammalian Dual Expression Vector

Coexpression of two genes from one vector

The pTandem™-1 mammalian dual expression vector is designed for coexpression of two genes in mammalian cells from a bicistronic RNA. This vector contains separate multiple cloning sites located on both sides of an internal ribosome binding site (IRES). These features allow convenient insertion of two open reading frames and efficient translation of both encoded proteins from a single bicistronic mRNA.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71283-3CN	pTandem™-1 Vector	20 µg	40470

TriEx™ Sf9 Cells

Serum-free adapted Sf9 derivative for high-yield protein expression

The unique TriEx™ Sf9 Cells are derived from a high-yielding clone of Sf9 cells. Pre-adapted for growth in Novagen® serumfree TriEx Insect Cell Medium, these cells are recommended for superior growth and protein yields by baculovirus infection. For cotransfection of plasmids with linearized baculovirus DNA, we recommend Sf9 Insect Cells and BacVector® Insect Cell Medium.

After recovery from the frozen stock, the cells can be grown as semi-adherent cultures in tissue culture flasks or in suspension as shaker cultures. Each vial contains 2×10^6 cells. Cells are shipped on dry ice. Upon receipt, the vials should be removed from their container and either recovered immediately, or placed at -70°C and used within two weeks. For longer term storage, place in liquid nitrogen.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71023-3CN	TriEx™ Sf9 Cells	3 vials	14550

TriEx™ Insect Cell Medium

Serum-free medium optimized for growth of TriEx Sf9 Cells

TriEx Insect Cell Medium is a serum-free medium optimized for growth and protein production from TriEx Sf9 Cells. This matched cell/medium combination has been selected based on rapid, vigorous cell growth and high protein expression levels. Store in the dark at 4°C .

Cat. No.	Product Description	Pack Size	Unit Price ₹
71022-3CN	TriEx™ Insect Cell Medium	1 l	13260

pTK-neo DNA

For selection of stably transfected mammalian cell lines

The pTK-neo vector can select stably transformed mammalian cell lines using G418. A minimal thymidine kinase (TK) promoter controls expression of the neomycin resistance gene. This arrangement facilitates selection for stable integration of the selection plasmid and a cotransfected expression plasmid into transcriptionally active sites in the genome. Use pTK-neo DNA as a cotransfection plasmid with pTandem-1 Mammalian Dual Expression Vector, pTriEx™ vectors, pMLuc, or any mammalian expression vector.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71284-3CN	pTK-neo DNA	20 µg	26590

BacPlaque™ Agarose

Qualified agarose for optimal plaque assays

Agarose overlays are commonly used in baculovirus plaque assays. Many commercial DNA grade agaroses either contain contaminants that are toxic to insect cells or lack the physical characteristics required to obtain good overlays. Novagen® BacPlaque™ Agarose is pre-qualified in plaque assays and transfections to ensure consistent performance.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70034-3CN	BacPlaque™ Agarose	30 g	29270

X-Gluc Solution

A colorimetric stain for GUS activity

The β -glucuronidase substrate X-Gluc (5-bromo-4-chloro-3-indolyl- β -D-glucuronide) is a colorimetric stain for GUS activity that is used to identify recombinants containing pBACgus vectors or the Ek/LIC GUS Control Insert. X-Gluc Solution is provided as a 20 mg/ml stock solution, ready for dilution and use in staining plaques for GUS activity. Each vial contains enough substrate to stain 15 100-mm plates.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70036-3CN	X-Gluc Solution	500 µl	12040

Insect GeneJuice® Transfection Reagent

High-efficiency insect cell transfection

Insect GeneJuice® Transfection Reagent is a proprietary liposome formulation optimized for maximal transfection efficiency of Sf9 insect cells. With extremely low cytotoxicity. The reagent can be used for both transient and stable transfections in serum-containing or serum-free media, and for cotransfection of transfer plasmids with virus DNA for the production of recombinant baculoviruses. Insect GeneJuice is ideal for large-scale protein expression in suspension-culture transfections of Sf9 insect cells.

when using, pLex/Bac™, pLex™ and pBiEx™ vectors, which contain the immediate early baculovirus promoter, ie1.

Insect GeneJuice Transfection Reagent is provided as a 2 mg/ml suspension in 20 mM MES, 150 mM NaCl, pH 6.2 buffer. One ml is sufficient for 12 or 125 transfections in 10-ml suspension culture flasks or 35-mm plates, respectively.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71259-3CN	Insect GeneJuice® Transfection Reagent	0.3 ml	9630
71259-4CN		1 ml	19480
71259-5CN		10x1 ml	151120

FastPlax™ Titer Kit and Antibody

Rapid, reliable titering of baculovirus stocks

The FastPlax™ Titer Kit is designed for determination of baculovirus titers in just 24 to 48 hours instead of three to four days as in other methods. Typically determination of baculovirus titer relies on the appearance of plaques, but the FastPlax Kit takes advantage of the appearance of detectable levels of AcNPV *GP64* glycoprotein on the cell surface as early as 8 to 24 hours postinfection. Detection is based on a high affinity monoclonal antibody against *gp64*, which is added directly to fixed cells. Antibody binding is detected with Goat Anti-Mouse IgG β-Galactosidase Conjugate followed by enhanced color development with X-Gal/NBT substrates. Plaques are clearly distinguished by their dark blue color. The kit contains sufficient reagents to perform five 6-well plate assays.

Components

2 x 50 ml	10X TBST (100 mM Tris-HCl, pH 8.0, 1.5 M NaCl, 1% TWEEN® 20)
6 ml	10% Gelatin (contains 0.02% azide)
10 µl	FastPlax Antibody
300 µl	Goat-Anti-Mouse b-Galactosidase Conjugate
300 µl	NBT (83 mg/ml in 70% dimethylformamide)
300 µl	X-Gal (50 mg/ml in dimethylformamide)

Cat. No.	Product Description	Pack Size	Unit Price ₹
70850-3CN	FastPlax™ Titer Kit	5 assays	28130

T7•Tag® Monoclonal Antibody and Conjugates

Sensitive, versatile detection of T7•Tag® fusion proteins

The T7•Tag Antibody is a mouse monoclonal antibody (IgG_{2b}) directed against the 11-amino acid gene 10 leader peptide expressed by many of the pET translation vectors as well as the pSCREEN™ vector found in the NovaTope® kit and other commercially available expression vectors. The 50-µg size provides sufficient purified antibody for 50 Western blots (10 cm x 10 cm) or 50 immunoprecipitation assays.

For increased versatility and sensitivity, this antibody is also available labeled with biotin and as a direct conjugate with alkaline phosphatase or horseradish peroxidase. When used with the Novagen® Streptavidin AP Conjugate, the biotinylated antibody enables a 5-fold increase in detection sensitivity of target proteins on Western blots compared to an anti-IgG conjugate strategy. This form of the antibody also enables specific detection in the presence of other mouse IgGs, which can be useful for immunoprecipitation. The 25-µg size of the Biotinylated T7•Tag Antibody provides sufficient antibody for 125 Western blots.

The AP or HRP conjugates are useful as single detection reagents and eliminate the need for secondary antibodies or streptavidin conjugates. The enzyme-conjugated antibody enables detection with only one binding step and eliminates cross-reactivity associated with secondary reagents. Sufficient conjugate is provided for 50 Western blots. The included Positive Control Extract contains a 31.1 kDa target protein.

T7•Tag® Monoclonal Antibody and Conjugates

Specificity	T7•Tag peptide MetAlaSerMetThrGlyGlyGlnGlnMetGly; N-terminal, C-terminal, or internal
Species/Isotype	Mouse monoclonal IgG2b
Cross-reactivity	Negligible with bacterial, insect, or mammalian cell lysates
Sensitivity	1–10 ng (Western blot developed with chromogenic substrates) <1 ng (AP or HRP conjugate developed with chemiluminescent substrates, or biotin conjugate developed with Streptavidin AP and chromogenic substrates)
Applications	Western blot, immunoprecipitation, immunohistochemistry
Form	Stabilized solution of antibody or antibody conjugate in 50% glycerol
Working dilution	1:5000–1:10,000

Components

Cat. No. 69522-3CN

50 µg or 250 µg	T7•Tag Monoclonal Antibody
250 µl	Positive Control Extract containing 31.1 kDa target protein

Cat. No. 69968-3CN

25 µg	Biotinylated T7•Tag Monoclonal Antibody
250 µl	Positive Control Extract containing 31.1 kDa target protein

Cat. No. 69999-3CN

50 µl	T7•Tag Antibody AP Conjugate
250 µl	Positive Control Extract containing 31.1 kDa target protein

Cat. No. 69048-3CN

100 µl	T7•Tag Antibody HRP Conjugate
250 µl	Positive Control Extract containing 31.1 kDa target protein

Cat. No.	Product Description	Pack Size	Unit Price ₹
69522-3CN	T7•Tag® Monoclonal Antibody	50 µg	23270
69522-4CN		250 µg	88440
69968-3CN	Biotinylated T7•Tag® Monoclonal Antibody	25 µg	24480
69999-3CN	T7•Tag® Antibody AP Conjugate	50 µl	29310
69048-3CN	T7•Tag® Antibody HRP Conjugate	100 µl	31890

T7 Tail-Fiber Monoclonal Antibody

Specific immunocapture of T7 bacteriophage

The T7 Tail-Fiber Monoclonal Antibody is a mouse monoclonal antibody (IgG_{2a}) directed against the tail-fiber protein of T7 bacteriophage. The antibody can be used to immunoprecipitate T7 phage or T7 tail-fiber from solution. Just 2.5 µg antibody is sufficient to immunoprecipitate at least 1×10^{10} T7 phage. The antibody is supplied at 1 mg/ml and is suitable for use with the T7Select® Phage Display System. The antibody is not suitable for Western blots.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71530-3CN	T7 Tail Fiber Monoclonal Antibody	50 µg	24450

T7 Phage Capture Plate

Specific immobilization of T7 bacteriophage

The T7 Phage Capture Plate is a 96-well ELISA-compatible plate (containing 12 × 8-well strips) on which the T7 Tail-Fiber Monoclonal Antibody is immobilized by a method that promotes maximal binding activity. The antibody specifically recognizes the tail-fiber protein of the T7 bacteriophage. This 8-well strip plate has a capacity of 10^9 phage per well and low non-specific binding. Phage binding is linear over two orders of magnitude. Well-to-well variability is less than 10%. The T7 Phage Capture Plate can be used in a variety of binding assays where reliable, specific immobilization of T7 phage is required (e.g., determining binding efficiencies of target ligands to recombinant T7 Select® phage).

Components

1 or 5 plates	T7 Phage Capture Plates
1 or 5 plates	Aluminum Plate Sealers

Cat. No.	Product Description	Pack Size	Unit Price ₹
71531-4CN	T7 Phage Capture Plate	5 plates	44070

T7 RNA Polymerase Monoclonal Antibody

Sensitive immunological detection of T7 RNA polymerase

The T7 RNA Polymerase Monoclonal Antibody is a mouse monoclonal antibody (IgG1) that specifically recognizes T7 RNA polymerase. It can be used to monitor the expression of T7 RNA polymerase in bacterial and eukaryotic systems. The 50-µg package size provides enough purified antibody to perform 50 Western blots (10 × 10 cm).

T7 RNA Polymerase Monoclonal Antibody

Specificity	Bacteriophage T7 RNA polymerase, residues 861–883 (C-terminus), native and denatured enzyme
Species/Isotype	Mouse monoclonal IgG1
Cross-reactivity	Negligible with bacterial, insect, or mammalian cell lysates
Sensitivity	< 20 ng (Western blot developed with chromogenic substrates)
Applications	Western blot
Form	Stabilized solution of 1 mg/ml antibody in 50% glycerol
Working dilution	1:10,000

Cat. No.	Product Description	Pack Size	Unit Price ₹
70566-3CN	T7 RNA Polymerase Monoclonal Antibody	50 µg	18340
70566-4CN		250 µg	72420

BetaRed™ and BetaFluor™ β-Galactosidase Assay Kits

Optimized reagents for ultra-sensitive β-gal assays

The BetaRed™ and BetaFluor™ β-galactosidase Assay Kits are designed for rapid, sensitive measurement of β-galactosidase activity in cell extracts. Both kits feature Reportasol™ Extraction Buffer, for efficient passive extraction of cell protein while maintaining optimal enzyme activity, and are configured for 96-well formats. Because no mechanical operations are necessary for extraction, the assays are highly amenable to high-throughput reporter gene expression analysis. The colorimetric BetaRed Assay is over 10-fold more sensitive (limit of detection, 1 pg) than traditional ONPG-based assays and can be performed in conjunction with luciferase assays. The BetaFluor Assay is designed for fluorometric detection with 500 fg sensitivity.

Components

Cat. No. 70978-3CN

500 assays	2500 assays	
125 mg	600 mg	BetaRed Substrate
25 ml	125 ml	Reportasol™ Extraction Buffer
100 ml	500 ml	Reaction Buffer
50 ml	250 ml	Stop Buffer
1.6 ml	1.6 ml	1 M DTT

Cat. No. 70979-3CN

500 assays	2500 assays	
100 mg	1000 mg	BetaFluor Substrate
25 ml	125 ml	Reportasol Extraction Buffer
100 ml	500 ml	Reaction Buffer
50 ml	250 ml	Stop Buffer
1.6 ml	1.6 ml	1 M DTT

Cat. No.	Product Description	Pack Size	Unit Price ₹
70978-3CN	BetaRed™ β-Galactosidase Assay Kit	500 assays	54050
70979-3CN	BetaFluor™ β-Galactosidase Assay Kit	500 assays	54050

BetaBlue™ Staining Kit

Convenient visualization of b-gal in cells or tissues

The BetaBlue™ Staining Kit provides direct visualization of b-galactosidase reporter expression in isolated cells, tissues, or intact organisms. The kit contains sufficient reagents for 100 staining reactions and includes solutions of the substrate X-Gal (5-bromo- 4-chloro-3-indolyl-β-D-galactopyranoside) and Reaction Buffer optimized for rapid, sensitive histochemical staining with minimal background. The exceptional staining seen with BetaBlue Staining Kit enables quick, accurate determination of transfection efficiencies, assessment of stable cell line generation, and transgene expression in tissue slices or whole mounts of transgenic animals.

Components

2 × 50 ml	BetaBlue Reaction Buffer
3 × 1 ml	BetaBlue X-gal Solution

Cat. No.	Product Description	Pack Size	Unit Price ₹
71074-3CN	BetaBlue™ Staining Kit	100 ml	19420

Perfect DNA™ Markers

Easy-to-remember sizes

Features

Available in three size ranges:

- 0.05–10 kbp
- 0.1–12 kbp
- 0.5–12 kbp

- Includes 6X Loading Buffer

Perfect DNA™ Markers contain sets of DNA fragments with convenient, easy-to-remember sizes for agarose gel analysis. The markers have uniform band intensities except for the easily identifiable reference bands, which are useful for instant band identification. An extra vial of 6X DNA Gel Loading Buffer is included.

Components

Cat. No. 70540-3CN

1 ml	Perfect DNA Markers, 0.05–10 kbp in 1X DNA Gel Loading Buffer
1 ml	6X DNA Gel Loading Buffer

Cat. No. 70087-3CN

500 µl	Perfect DNA Markers, 0.1–12 kbp in 1X DNA Gel Loading Buffer
1 ml	6X DNA Gel Loading Buffer

Cat. No. 69002-3CN

500 µl	Perfect DNA Markers 0.5–12 kbp in 1X DNA Gel Loading Buffer
1 ml	6X DNA Gel Loading Buffer

Cat. No.	Product Description	Pack Size	Unit Price ₹
70540-3CN	Perfect DNA™ Markers, 0.5–10 kbp	100 lanes	12260
70087-3CN	Perfect DNA™ Markers, 0.1–12 kbp	100 lanes	12180
69002-3CN	Perfect DNA™ Markers, 0.05–12 kbp	100 lanes	12240

Perfect DNA™ Ladders

Evenly spaced DNA markers in ready-to-load format

Features

- Available in three size ranges:
 - 50–3000 bp
 - 100–1000 bp
 - 500–10,000 bp
- Includes 6X loading buffer

The Perfect DNA™ Ladders contain sets of DNA fragments with convenient, easy-to-remember sizes for agarose gel analysis. The markers have uniform band intensities and cover a wide range of DNA sizes. They are supplied in a convenient ready-to-load format containing dye and are ideal for routine use. An extra vial of 6X Loading Buffer (for Cat. Nos. 70538-3CN and 70539-3CN) or 6X DNA Gel Loading Buffer (for Cat. No 70537-3CN) is included.

Components

Cat. No. 70538-3CN

1 ml	Perfect DNA 50 bp Ladder in 1X Loading Buffer
1 ml	6X Loading Buffer

Cat. No. 70539-3CN

500 µl	Perfect DNA 100 bp Ladder in 1X Loading Buffer
1 ml	6X Loading Buffer

Cat. No. 70537-3CN

500 µl	Perfect DNA 1 kbp Ladder in 1X DNA Gel Loading Buffer
1 ml	6X DNA Gel Loading Buffer

Cat. No.	Product Description	Pack Size	Unit Price ₹
70538-3CN	Perfect DNA™ 50 bp Ladder	100 lanes	12260
70539-3CN	Perfect DNA™ 100 bp Ladder	100 lanes	12160
70537-3CN	Perfect DNA™ 1 kbp Ladder	100 lanes	12120

PCR Markers

For accurate sizing of PCR products

Features

- Contains fragments from 50 to 2000 bp
- Includes 6X Loading Buffer

PCR Markers contain a mixture of eight defined DNA fragments ranging from 50 to 2000 bp at convenient size intervals for characterizing small DNA products. The markers are supplied ready-to-use in gel loading buffer containing two tracking dyes that do not interfere with UV illumination of ethidium bromide-stained bands. A separate vial of 6X Loading Buffer is included. Each vial of markers is enough for 50 lanes on TBE or TAE agarose stained with ethidium bromide. The recommended 5 ml per lane produces bands of even intensity that are bright, sharp, and easy to photograph.

Components

250 µl	PCR Markers in 1X Loading Buffer
1 ml	6X Loading Buffer

Cat. No.	Product Description	Pack Size	Unit Price ₹
69278-3CN	PCR Markers, 50-2000 bp	50 lanes	12180

Sample Loading Buffers

Optimized buffers for loading DNA, RNA, and protein samples onto gels

6X Loading Buffer

6X Loading Buffer is intended for gel electrophoresis of DNA fragments or PCR products. Contains orange G, xylene cyanol FF, and glycerol. Dyes in this buffer do not interfere with UV illumination of ethidium bromide stained DNA bands.

6X DNA Gel Loading Buffer

6X DNA Gel Loading Buffer is intended for gel electrophoresis of DNA fragments or PCR products. Contains bromophenol blue, xylene cyanol FF, and Ficoll®.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69046-3CN	6X DNA Gel Loading Buffer	5 µl	5420
69180-3CN	6X Loading Buffer	5 µl	5910

T4 DNA Ligase

Qualified for the most stringent cloning conditions

T4 DNA Ligase catalyzes the formation of phosphodiester bonds between 3'-hydroxyl and 5'-phosphate groups of adjacent DNA and RNA nucleotides in blunt-end or cohesive end configurations. The enzyme joins RNA and DNA strands only in duplex molecules and does not join single-stranded nucleic acids. T4 DNA Ligase is rigorously tested in a blue-white cloning assay under conditions that maximize exposure of DNA ends to any contaminating nucleases. The enzyme is qualified for any ligation or cloning application.

Unit definition: 4 Weiss units/µl; one Weiss unit is defined as the amount of enzyme required to catalyze the exchange of 1 nmole ³²P from pyrophosphate into ATP as Norit®- absorbable material in 20 minutes at 37°C. 0.01 Weiss unit is the amount of enzyme required to ligate > 95% of 1 µg bacteriophage λHind III fragments at 16°C in 20 minutes.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69839-3CN	T4 DNA Ligase	100 U	7270

RNase A Solution

Convenient solution for selective degradation of RNA

RNase A Solution is a convenient alternative to powdered RNase A. It is a highly purified preparation of bovine pancreatic ribonuclease A suitable for use in selective removal of RNA. It has been pretreated to remove DNase I and is suitable for RNA digestion in plasmid purification procedures. Supplied at a concentration of 10 mg/ml in 10 mM Tris-HCl, 1 mM EDTA, 50% glycerol, pH 7.5.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70856-3CN	RNase A Solution	1 µl	5930

Proteinase K

Efficient removal of proteins from nucleic acid solutions

Proteinase K is a highly active 28,904-Da serine protease isolated from the fungus *Tritirachium album*. The enzyme exhibits broad cleavage specificity on native and denatured proteins and is widely used in the purification of DNA and RNA. Its activity is increased in the presence of denaturants such as SDS (1%) and elevated temperature (50–60°C). The recommended working concentration is 50–100 µg/ml for protein removal and enzyme inactivation, and up to 2 mg/ml for tissue treatment. The Proteinase K, Lyophilized powder can be prepared as a 20 mg/ml stock solution in water and stored in aliquots at –20°C. The enzyme is also available as a ready-to-use concentrated stock solution (600 mAU/ml) that is convenient for routine use in most applications. 1 mg of Proteinase K is the equivalent of 30 mAU (AU = Anson unit). Proteinase K products are free of detectable DNase and RNase.

Unit definition: One AU (AU = Anson unit) is defined as the amount of enzyme that liberates 1.0 µmol (181 µg) of tyrosine from casein per minute at pH 7.5 at 37°C.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71049-3CN	Proteinase K Solution, 600 mAU/ml	2 ml	7880
71049-4CN		10 ml	28130
70663-4CN	Proteinase K, Lyophilized	100 mg	10460
70663-5CN		500 mg	39210

Magnetight™ Oligo(dT) Particles

The Magnetight™ Oligo(dT) beads are encapsulated paramagnetic particles containing covalently attached oligo(dT)25 to directly bind mRNA. The coated magnetite beads have been treated to minimize non-specific interactions and enable quantitative recovery of intact mRNA.

Cat. No.	Product Description	Pack Size	Unit Price ₹
69593-3CN	Magnetight™ Oligo(dT) Particles	8 ml	36670

T7Select® Cloning Kits

Complete kits for construction of T7Select® libraries

The T7Select Phage Display System is a display system that takes advantage of the properties of bacteriophage T7. Target peptides or proteins are expressed as fusions to the carboxy-terminus of the 10B capsid protein (near amino acid 348) and are displayed on the virion surface where they are accessible for interaction with other proteins or ligands. Phage containing 10B fusion proteins are infective, and a variety of biologically active peptides and proteins have been successfully displayed in this system.

T7Select vectors are designed for high (415), mid (5–15), or low (0.1–1) number of copies of target protein or peptide to be displayed per phage. The high-copy number vector (T7Select415-1b) enables fusions up to 50 amino acids, whereas the low- and mid-copy number vectors (T7Select1-1b, T7Select1-2a-c, T7Select10-3b) enable fusions up to 900–1200 amino acids.

Each cloning kit contains enough components for construction of up to five libraries. The T7Select OrientExpress™ cDNA Cloning Kits include a complete set of reagents for cDNA synthesis using oligo(dT) or the patented directional random primer technology.

Components

Cat. Nos. 70550-3CN, 70010-3CN, 70015-3CN

5 µg	T7Select EcoRI/HindIII Vector Arms
0.2 pmol	T7Select Control Insert
6	T7 Packaging Extracts
1 µg	T7Select Packaging Control DNA
0.2 ml	BLT5403, BLT5615, and BL21 Glycerol Stock
500 pmol	T7SelectUP Primer
500 pmol	T7SelectDOWN Primer

Cat. Nos. 70202-3CN, 70200-3CN, 70580-3CN, 70581-3CN

1	OrientExpress Random Primer or Oligo(dT) Primer cDNA Synthesis Kit
1	EcoRI/HindIII End Modification Kit
1	Mini Column Fractionation Kit
1	DNA Ligation Kit
1	T7Select10-1b or T7Select10-3b Cloning Kit

Cat. No.	Product Description	Pack Size	Unit Price ₹
70550-3CN	T7Select®10-3 Cloning Kit	1 kit	114030
70010-3CN	T7Select® 1-1 Cloning Kit	1 kit	111770
70015-3CN	T7Select® 415-1 Cloning Kit	1 kit	112960
70202-3CN	T7Select®1-1 OrientExpress™ cDNA Cloning System, Random Primer	1 system	177060
70200-3CN	T7Select®1-1 OrientExpress™ cDNA Cloning System, Oligo(dT)	1 kit	152950
70580-3CN	T7Select®10-3 OrientExpress™ cDNA Cloning System, Random Primer	1 system	178140
70581-3CN	T7Select®10-3 OrientExpress™ cDNA Cloning System, Oligo(dT)	1 system	177060

T7Select® Biopanning Kit

Reagents for selecting binding proteins or peptides from T7Select® libraries

Enrichment of T7 phage displaying target peptides or proteins can easily be accomplished with the T7Select Biopanning Kit. The kit contains reagents to perform biopanning with target ligands using 96-well microtiter plates or similar solid phases. Biopanning procedures can be tested and optimized using the positive and negative controls provided in the kit. The supplied Positive Control Lysate contains a T7Select415-1b recombinant that displays the S•Tag™ peptide. When combined with the Negative Control Lysate at known ratios, the degree of enrichment of high affinity binding phage can be monitored by a simple plaque lift assay with the provided detection reagents.

Components

25 g	Blocking Reagent
2 x 50 ml	10X TBST Wash Buffer
10 ml	T7 Elution Buffer
0.2 ml	BL21 Glycerol Stock
0.2 ml	BLT5403 Glycerol Stock
0.2 ml	BLT5615 Glycerol Stock
1010 pfu	T7Select Positive Control Lysate
1010 pfu	T7Select Negative Control Lysate
50 ml	S-protein HRP Conjugate
2 ml	T7Select S-protein
50 ml	SuperSignal® Substrate
pkg/25	gLOCATOR™ Luminescent Labels
pkg/25	Development Folders

Cat. No.	Product Description	Pack Size	Unit Price ₹
70018-3CN	T7Select® Biopanning Kit	1 kit	49070

T7Select® Vector DNA

Highly purified undigested DNA

T7Select® vectors are available as uncut DNA to provide maximum flexibility in cloning options. They are supplied as highly purified

linear phage DNA. Three basic types of T7Select phage display vectors are available: the T7Select415-1 vector, for high-copy number display of peptides; the T7Select10-3 vector, for mid-copy number display of peptides and proteins; and the T7Select1-1 and -2 vectors, for low-copy number display of peptides or larger proteins. In all of the vectors, sequences for the peptides or proteins to be displayed are inserted within a series of multiple cloning sites following amino acid 348 of the major capsid protein.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70042-3CN	T7Select® 1-2a DNA	10 µg	31810
70043-3CN	T7Select® 1-2b DNA	10 µg	31270
70044-3CN	T7Select® 1-2c DNA	10 µg	31810
70548-3CN	T7Select™ 10-3 DNA	10 µg	31810
70040-3CN	T7Select® 415-1 DNA	10 µg	31810

T7Select® Packaging Kit

For high efficiency T7Select library construction

T7Select Packaging Extracts are optimized for maximum packaging efficiencies of T7Select vectors ligated with insert. The high-efficiency extracts (>5 x 10⁸ pfu/µg with T7Select Packaging Control DNA) enable production of a library containing at least 5 x 10⁷ recombinants per microgram of arms. The extracts are made from a specially engineered phage that reduces the nonrecombinant cloning background to below 0.1%.

Components

6	T7 Packaging Extracts
1 µg	T7Select Packaging Control DNA
0.2 ml	BL21 Glycerol Stock
0.2 ml	BLT5403 Glycerol Stock
0.2 ml	BLT5615 Glycerol Stock

Cat. No.	Product Description	Pack Size	Unit Price ₹
70014-3CN	T7Select® Packaging Kit	6 extracts	54990

T7Select® Vector Primers

Primers for amplification and sequencing of T7Select® recombinants

T7Select Vector primers are convenient for amplification and sequencing of T7Select recombinants. These primers anneal to sequences flanking the multiple cloning sites all T7Select vectors.

Cat. No.	Product	Sequence (5'-3')	M _r	Pack Size	Unit Price ₹
70006-3CN	T7SelectDOWN Primer	AACCCCTCAAGACCCGTTTA	5987	500 pmol	12160
70005-3CN	T7SelectUP Primer	GGAGCTGTCGTATTCAGTC	6105	500 pmol	12160

Pre-made T7Select® cDNA Libraries

High-quality cDNA display libraries ready for biopanning

Features

- Random-primed, size-fractionated cDNAs
- T7Select10-3 vector for mid-copy number expression (5-15 per phage)

We offer a unique collection of phage display cDNA libraries from human normal and diseased tissues. The libraries are constructed in the mid-copy number T7Select10-3 vector using the patented Novagen® OrientExpress™ directional random primer cloning strategy.

The vector features the novel T7 phage display technology enabling inserts to be expressed as fusions to the C-terminus of the T7 gene 10B major capsid protein, with an average of 10 copies displayed per virion. Inserts cloned into T7Select vectors do not require secretion for display, so a greater variety of proteins can be displayed than in M13 display systems. T7Select libraries can be biopanned, enabling screening by protein-protein and protein-ligand interaction and recovery of live phage displaying the protein of interest. The rapid growth rate and robust nature of the T7 phage enables biopanning under harsh conditions allowing very stringent elution such as high salt concentrations, detergents, or denaturants.

Each library contains the indicated number of primary recombinants and has undergone a single round of amplification. cDNAs are size-fractionated such that inserts are >300 bp in length and are cloned directionally into EcoR I /Hind III restriction sites. The size of cDNA inserts has been verified to be from 300 bp to greater than 3000 bp by gel electrophoresis of DNA prepared from the amplified libraries. All libraries are constructed without the use of carrier RNA, eliminating the possibility of contamination with heterologous clones. Human Normal cDNA Libraries

Components

100 ml	T7Select Library (>109 pfu/ml)
0.2 ml	BLT5403 Glycerol Stock
0.2 ml	BLT5615 Glycerol Stock

Human Normal cDNA Libraries

Cat. No.	Tissue	No. Primary Clones	Unit Price ₹
70637-3CN	Brain	1.5×10^7	83530
70638-3CN	Breast	3.3×10^7	83530
70639-3CN	Colon	1.0×10^7	83530
70640-3CN	Heart	1.1×10^7	83530
70641-3CN	Liver	1.7×10^7	83530
70646-3CN	Lung	1.1×10^7	83530
70642-3CN	Stomach	8.9×10^7	83530

Human Diseased cDNA Libraries

Cat. No.	Tissue	No. Primary Clones	Unit Price ₹
70643-3CN	Alzheimer's Brain	1.3×10^7	83530
70644-3CN	Breast Tumor	1.6×10^7	83530
70645-3CN	Colon Tumor	1.3×10^7	83530
70647-3CN	Liver Tumor	1.2×10^7	83530
70648-3CN	Lung Tumor	1.1×10^7	83530

GeneJuice® Transfection Reagent

High-efficiency transfection of mammalian cells

Features

- Highly efficient DNA transfer for both stable and transient transfections
- Minimal cellular toxicity
- Compatible with both serum-containing and serum-free media
- Simple protocol—no need for media changes
- Ideal for high-throughput transfection in a multi-well plate format

GeneJuice Transfection Reagent is a proprietary formulation optimized for maximal transfection efficiency, ease of use, and minimal cytotoxicity. This transfection reagent is a superior alternative to a wide variety of other techniques including calcium phosphate coprecipitation, electroporation, microinjection, biolistic particle delivery, and complex formation with DEAE-dextran.

GeneJuice Transfection Reagent provides excellent performance in both stable and transient transfection of eukaryotic cells. It is ideal for use with the Novagen pTriEx™ expression vectors.

The 1-ml size provides enough reagent to perform up to 500 transfections in standard 35-mm plates. The reagent is also available in an introductory 0.3-ml size, 5 × 1-ml size, and a 10-ml size. GeneJuice Transfection Reagent is supplied as a ready-to-use sterile solution.

Cat. No.	Product Description	Pack Size	Unit Price ₹
70967-5CN	GeneJuice® Transfection Reagent	0.3 ml	19560
70967-3CN		1 ml	38980
70967-6CN		5x1 ml	179080
70967-4CN		10x1 ml	331840

NanoJuice™ Transfection Kit

Efficient transfection of difficult-to-transfect mammalian cell types

Features

- Suitable for stable and transient transfections
- Minimal cellular toxicity
- Compatible with both serum-containing and serum-free media
- Allows flexible reaction conditions to optimize for specific cell types
- Eliminates the need for media changes
- Derived from non-animal sources
- Based on the cutting-edge nanotechnology of Priostar® dendrimers

The NanoJuice™ Transfection Kit is designed for efficient transfection of difficult-to-transfect cells, such as primary cells, Saos-2, Caco-2, HUVEC, Jurkat, Raw 264.7, HeLa, and other mammalian cells. The NanoJuice reagent mixture uses the cutting-edge nanotechnology of Priostar dendrimers along with a proven polycationic liposomal formulation. This combination of NanoJuice Core Transfection Reagent and NanoJuice Transfection Booster allows transfection conditions to be fine-tuned for each specific cell type. Complete control over transfection conditions permits transfection optimization and minimization of cytotoxicity.

The NanoJuice Transfection Kit provides enough components to perform 240 transformations or 2400 transformations. It consists of two components: the NanoJuice Core Transfection Reagent and the NanoJuice Transfection Booster. The NanoJuice Transfection Booster is Powered by Priostar® dendrimers. For greater flexibility, including scale-up, the kit components are available separately in 1-ml sizes. The NanoJuice Core Transfection Reagent and the NanoJuice Transfection Booster are supplied as ready-to use sterile solutions.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71902-3CN	NanoJuice™ Transfection Kit	240 rxns	10860
71902-4CN		2400 rxns	61650
71900-3CN	NanoJuice™ Core Transfection Reagent	1 ml	33707
71901-3CN	NanoJuice™ Transfection Booster	1 ml	24430

293-Free™ Transfection Kit

Features

- Suitable for transient transfections of HEK 293 suspension cultures
- Provides minimal cellular toxicity
- Derived from non-animal sources
- Easy protocol to scale up for production
- Compatible with both serum-containing and serum-free media
- Eliminates the need for media changes

The 293-Free™ Transfection Reagent is a superior transfection reagent that produces excellent transfection efficiencies in suspension HEK 293 cells. It is a unique polycationic liposomal formulation that has been optimized for transient transfection of 293 suspension cultures making it ideal for mammalian protein production. Derived from non-animal sources, 293-Free Transfection Reagent gives minimal cellular toxicity. It is provided as a sterile, ready-to use solution.

Cat. No.	Product Description	Pack Size	Unit Price ₹
72181-3CN	293-Free™ Transfection Reagent	1 ml	37960
72181-5CN		10 x 1 ml	304830
72181-4CN		1 ea	171700

RiboJuice™ siRNA Transfection Reagent

Efficient delivery of siRNA for targeted gene suppression

Interference experiments using siRNA require a transfection reagent specifically optimized for siRNA delivery. RiboJuice™ siRNA Transfection Reagent efficiently delivers siRNA into a wide range of mammalian cell lines to result in targeted gene suppression. RiboJuice siRNA Transfection Reagent is optimized, easy-to-use, and formulated for minimal toxicity. In addition, RiboJuice siRNA Transfection Reagent is compatible with GeneJuice® Transfection Reagent for cotransfection of siRNA and plasmid DNA when normalizing transfection efficiency with a reporter gene. RiboJuice siRNA Transfection Reagent has been successfully used for gene suppression in a variety of cell lines.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71115-3CN	RiboJuice™ siRNA Transfection Reagent	1 ml	23250
71115-4CN		0.3 ml	55230

ProteJuice™ Protein Transfection Reagent

Efficient protein delivery into mammalian cells

ProteJuice™ Protein Transfection Reagent effectively transfects of intact functional protein and peptides into mammalian cells with minimal toxicity and broad cell specificity. The chemistry of ProteJuice differs substantially from protein delivery systems based on lipids or protein transduction domains. ProteJuice reagent forms a non-covalent complex with protein that protects against degradation by endosomal proteases and ensures delivery of intact protein inside the cell. Protein transfection with ProteJuice reagent is ideal for functional studies, delivering bioactive or inhibitory proteins, screening peptide libraries, evaluating subcellular location and turnover, and transient complementation of suppressed gene expression. Live cells can be examined less than two hours after delivery to determine the effects of the introduced

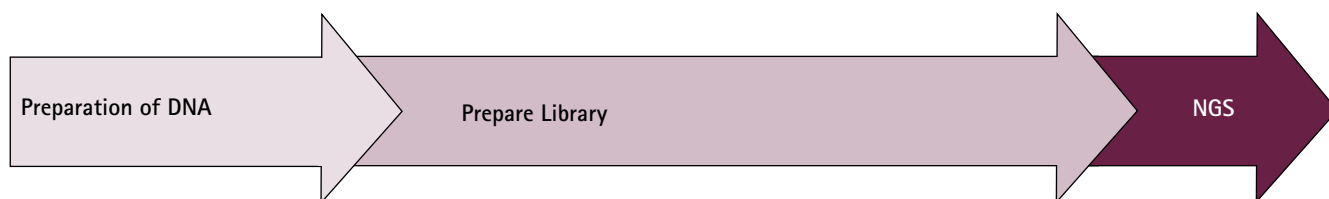
material. ProteoJuice Protein Transfection Reagent has been used successfully to deliver large proteins (such as antibodies), small proteins (such as histones), and peptides.

Cat. No.	Product Description	Pack Size	Unit Price ₹
71281-3CN	ProteoJuice™ Protein Transfection Reagent	0.125 ml	42820

PureGenome™ Kits and Reagents for fast and efficient preparation of Next Generation Sequencing (NGS) libraries.

Next Generation Sequencing (NGS) technology can allow unprecedented, gigabase (gb)-length sequencing of genomic DNA per run. In addition to the utility of NGS in gene target resequencing and deciphering genetic biomarkers in disease, NGS-based applications (such as transcriptomics/RNA-sequencing, ChIP-sequencing, single-cell sequencing) provide a high-resolution, multidimensional approach to linking nucleic acid sequences to cell phenotypes.

Advancements in NGS sequencing chemistries and instrument throughput provides decreased cost-per-base sequencing. However, sample preparation for sequencing remains a challenge due to intractable sample types, input templates, varying quality of library preparation and cost per library. Furthermore, multiple, time-consuming steps leading to library preparation can cause bottlenecks in the sequencing process, exacerbated by insufficient DNA yield, excessive sequence bias, and other challenges to library quality that compromise sequencing data. Merck Millipore's PureGenome™ tools offer fast, cost-effective solutions for the highest quality NGS sample preparation.



PureGenome™ Tissue DNA Extraction Kit

- Diverse sample types (liquid & solid)
- Fast & high-yielding with low input
- Qualified for NGS library prep

PureGenome™ On-Spot Tissue DNA Kit

- Fresh or FFPE tissues/slides
- Targeted section extraction
- Compatible with qPCR

PureGenome™ High Efficiency NGS Library Prep Reagents

- PureGenome™ NGS Library DNA Modifier
- PureGenome™ NGS Library A-tail Enhancer
- PureGenome™ NGS Library Amplifier

Advantages:

- Compatible with Illumina® platforms (flexible technology)
- Less hands-on time with 2-step workflow
- <1 µg DNA input
- High ligation efficiency
- Q20 > 85%
- High matched/unmatched reads ratios (4.8 Merck Millipore >2.9 competitors)
- No GC bias in coverage depth

PureGenome™ NGS Library Validator Kit

- qPCR library quantification
- Multiple DNA standard controls for absolute quantification
- Optimized primer pairs for library validation and quantification
- Sensitive and linear DNA detection

Breakthrough genomics starts with quality DNA

PureGenome™ DNA extraction kits for liquid, whole tissues and tissue sections

Choose the PureGenome™ Tissue DNA Extraction Kit for rapid isolation of total DNA from a variety of solid tissues or the PureGenome™ On-Spot Tissue DNA Kit for extracting DNA from targeted tissue sections (includes formalin-fixed paraffin-embedded (FFPE) tissues). Furthermore, you can use these kits to process samples of virtually any biological liquids, such as whole blood, plasma, serum or cells from culture.

Cat. No.	Product Description	Pack Size	Unit Price ₹
72635CN	PureGenome™ Tissue DNA Extraction Kit*	1 KIT	20740
72636CN	PureGenome™ On-Spot Tissue DNA Kit**	1 KIT	42610

Speed, Flexibility and Sensitivity

Solid Tissues	PureGenome™ Tissue DNA Extraction Kit
Range of Animal or Human tissues	Skeletal, heart, brain, liver, kidney, lung, tail-snips, ear-punches, etc.
DNA Yield	Skeletal, heart and brain tissues (1–3 µg/mg), liver, kidney and lung (3–5 µg/mg), blood (5–7 µg/100 µL)
DNA Purity	Optimized for maximal recovery of ultra-pure DNA ($A_{260}/A_{280} > 1.8$) without RNA contamination
DNA Size Range	25 bp to 40 kb
Fast and Convenient	1–4 h tissue lysis and 15 min purification on spin columns
Targeted Tissue Section Isolation	PureGenome™ On-Spot Tissue DNA Kit
Samples	Fresh tissue sections or paraffin archives (post-deparaffinization) on glass slides
DNA Yield	Typically 20 ng–150 ng per 0.5 cm ²
DNA Size Range	75 bp–25 kb

* PureGenome™ Kits contain optimized Proteinase K for tissue lysis, buffers, SpinPrep™ Columns and Collection Tubes.

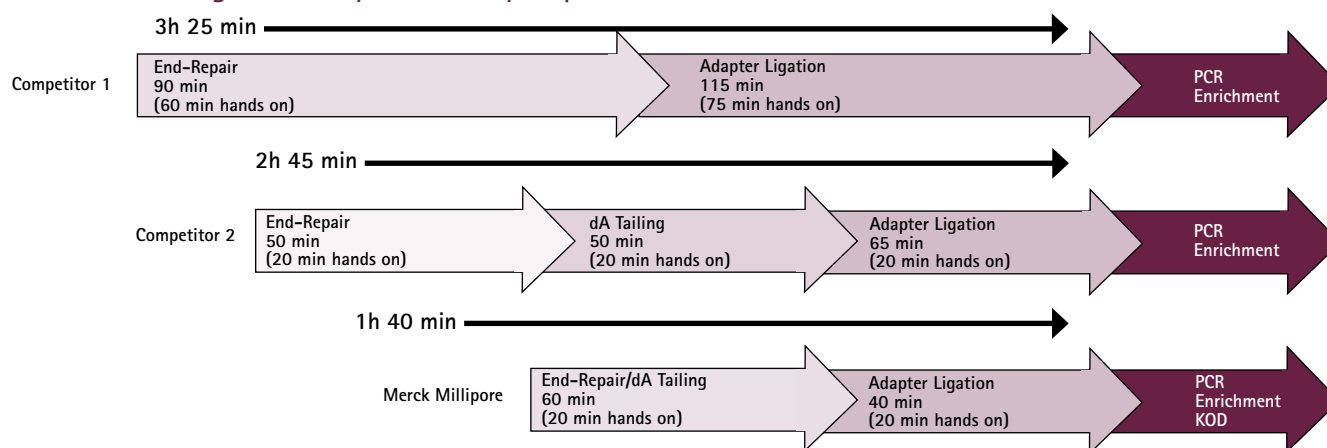
** PureGenome™ On-Spot Solution is provided for selecting targeted section areas prior to Proteinase K digestion and pur

Two steps under two hours.

High Efficiency NGS Library Preparation

The PureGenome™ High Efficiency NGS Library Preparation Solution is a uniquely optimized system of three library preparation reagent sets, collectively requiring less hands-on time than existing similar protocols. PureGenome™ library preparation is a simple, two-step procedure followed by amplification using Merck Millipore's ultra-high fidelity KOD Hot Start DNA Polymerase Mastermix. This unique polymerase amplifies DNA with high processivity in highly TA or GC-rich regions. The combined efficiency of library construction and accuracy of amplification enables maximum library yields from lower input DNA with minimal bias for better results.

PureGenome™ High Efficiency NGS Library Preparation Workflow:



* PureGenome™ Kits contain optimized Proteinase K for tissue lysis, buffers, SpinPrep™ Columns and Collection Tubes.

** PureGenome™ On-Spot Solution is provided for selecting targeted section areas prior to Proteinase K digestion and purification.

Cat. No.	Reagent Set	Function	Unit Price ₹
PGN001-1EACN	*PureGenome™ NGS Library DN	Blunt-ending, A-tailing components Et ligation	192320
PGN002-1EACN	*PureGenome™ NGS Library A-Tail Enhancer	PureGenome™ NovaTaq Polymerase for A-tailing	32740
PGN003-1EACN	*PureGenome™ NGS Library Am	KOD Hot Start DNA Polymerase Mastermix for library enrichment/am	11310

Enhance the quality of data output

PureGenome™ Next Generation Sequencing (NGS) Library Validator Kit

Inaccurate library quantification or poor normalization of libraries prior to sequence amplification and detection can compromise results. Quantification and normalization are particularly important during multiplexing of samples or detecting intra-sample sequence variants.

The PureGenome™ NGS Library Validator Kit enables highly accurate qPCR quantification of Illumina® platform compatible NGS libraries. The kit includes three DNA Controls covering optimal library size ranges and a primer mix exhibiting validated amplification efficiency.

How the PureGenome™ Validator Kit facilitates qPCR analysis of NGS libraries:

- Three carefully designed PureGenome™ NGS DNA Controls (150, 300, 600 bp) enable absolute molar quantification
- Optimized PureGenome™ Validator Primer Mix ensures qPCR accuracy
- Sensitive and linear DNA detection
- Flexible open platform allows use with any qPCR protocol using SYBR® Green technology
- qPCR analysis ensures accurate downstream sequence reads

Cat. No.	Product Description	Pack Size	Unit Price ₹
PGN004-1EA	PureGenome™ Next Generation Sequencing Library Validator Kit	1 KIT	49190

Includes

Kit components include 3 PureGenome™ NGS DNA Controls and PureGenome™ Validator Primer Mix

Kit was optimized using SABiosciences SYBR® qPCR mastermix

Other Products

Cat. No.	Product Description	Pack Size	Unit Price ₹
69281-3CN	DNase SHOTGUN CLEAVAGE KIT	1 EA	36780
72620-1KITCN	Hu Mitochondrial to Nuclear DNARatioKit	1 KIT	36910
70912-3CN	MAGPREP SILICA PARTICLES	1 EA	9670
72621-1KITCN	Mo Mitochondrial to Nuclear DNARatioKit	1 KIT	45670
72628-1KITCN	Mouse Oxidative Stress qPCR Panel Kit	1 KIT	29370
72622-4CN	NovaCHOice Transfection 10ML Kit	1 EA	383940
72622-3CN	NovaCHOice Transfection 1ML Kit	1 EA	51520
72625-1KITCN	NovaQUANT Human Mitochondrial Biogenesis	1 KIT	29340
72627-1KITCN	NovaQUANT Human Oxidative Stress Kit	1 KIT	29370
72626-1KITCN	NovaQUANT Mouse Mitochondrial Biogenesis	1 KIT	29370
72633-1KITCN	NovaQUANT(TM) Coli qPCR Kit	1 KIT	32740
71091-4CN	NOVATAQ HOT START DNA POLYMERASE	1 EA	73680
71676-4CN	NOVATAQ HOT START MASTER MIX KIT	1 EA	109260
69280-3CN	NOVATOPE LIBRARY CONSTRUCTION SYSTEM	1 EA	106630
70188-3CN	pSTBLUE-1 BLUNT VECTOR	1 EA	18250
69820-3CN	pT7BLUE T-VECTOR	1 EA	29450
69080-3CN	pT7BLUE-2 T-VECTOR	1 EA	20680



STEM AND SPECIALITY CELL CULTURE

- Reagents & Kits for Stem Cell Research

Part 10 Stem and Speciality cell

Product Order No.	Pack	Unit Price ₹
Angiogenin, Human, Recombinant, E. coli 175600-50UGCN	50 ug	48250
BMP-1/PCP, CF, Human, Recombinant 203638-10UGCN	10 ug	43190
BMP-2, Human, Recombinant, E. coli 203641-2UGCN	2 ug	18460
BMP-4, Human, Recombinant, E. coli 203642-2UGCN	2 ug	17630
BMP-4, Mouse, Recombinant 203639-10UGCN	10 ug	60560
b-Nerve Growth Factor, Human, Recomb. 480275-100UGCN	100 ug	38240
Brain Derived Neurotrophic Factor, Recom 203702-10UGCN	10 ug	48250
Brain Derived Neurotrophic Factor, Recom 203702-5UGCN	5 ug	32090
Collagen Type II Bovine Joint Cartilage 234184-1MGCN	1 mg	29560
Collagen, Type I, Human Placenta 234149-250UGCN	250 ug	40780
Collagen, Type I, Human Skin 234138-1MGCN	1 mg	37040
Collagen, Type IV, Human Placenta 234154-100UGCN	100 ug	41980
EGF, Murine Submaxillary Glands, Recpt. 324856-100UGCN	100 ug	46930
Elastin, Human Lung, Water-Soluble 324751-2MGCN	2 mg	45720
Endothelial Cell Growth Supplement, 324845-15MGCN	15 mg	14720
Epidermal Growth Factor, Human, Recomb. 324831-200UGCN	200 ug	25940
E-Selectin, Hu., Recomb, CHO Cell line 561300-50UGCN	50 ug	46930
Fetuin, Fetal Bovine Serum 341506-1GMCN	1 gm	16480
FGF, Acidic, Mouse, Recombinant 341589-25UGCN	25 ug	25940
FGF, Basic, Rat, Recombinant 341590-25UGCN	25 ug	35830
FGF-10, Human, Recombinant 341599-25UGCN	25 ug	35830
FGF-5, Human, Recombinant 341601-50UGCN	50 ug	29560
Fibroblast Growth Factor, Basic, Bovine 341583-25UGCN	25 ug	60560
Fibroblast Growth Factor, Basic, Recomb 341595-25UGCN	25 ug	39570

Product Order No.	Pack	Unit Price ₹
Fibroblast Growth Factor-II, Mo, Rec. 341597-10UGCN	10 ug	28350
Fibronectin, Bovine Plasma 341631-5MGCN	5 mg	39570
Fibronectin, Bovine Plasma 341631-1MGCN	1 mg	10980
Fibronectin, Human Plasma 341635-5MGCN	5 mg	64300
Fibronectin, Human Plasma 341635-1MGCN	1 mg	17630
Fibronectin, Rat Plasma 341668-500UGCN	500 ug	24610
Galectin-1, Human, Recombinant, E. coli 345831-50UGCN	50 ug	39570
Galectin-3, Human, Recombinant, E. coli 345830-100UGCN	100 ug	45720
Galectin-3C, Human, Recombinant, E. coli 345832-100UGCN	100 ug	66830
GDNF, Rat Recombinant PF039-10UGCN	10 ug	46930
Glial Derived Neurotrophic Factor, Recom 345872-10UGCN	10 ug	42530
Glial Fibrillary Acidic Protein, Brain 345996-100UGCN	100 ug	22200
Heparin Binding-EGF, Human, Recombinant PF078-50UGCN	50 ug	29560
Hepatocyte Growth Factor, Human, Recomb. 375228-5UGCN	5 ug	54410
Heregulin, Human, Recombinant PF048-50UGCN	50 ug	44520
IGFBP-3, CF, Mouse, Recombinant 407254-25UGCN	25 ug	40780
IGFBP-rp1/IGFBP-7, His-Tag, CF, Mo., Rec 407255-25UGCN	25 ug	43190
IGF-II, CF, Mouse, Recombinant 407256-50UGCN	50 ug	25940
Insulin-Like Growth Factor-I, Hu, Rec. 407251-100UGCN	100 ug	38240
Insulin-Like Growth Factor-I, Mouse, Rec 407252-100UGCN	100 ug	29560
Insulin-Like Growth Factor-I, Rat, Recomb 407253-20UGCN	20 ug	28350
Insulin-Like Growth Factor-I, Recomb 407240-200UGCN	200 ug	65310
Insulin-Like Growth Factor-II, Recomb 407245-50UGCN	50 ug	34620
KGF/FGF-7, Mouse, Recombinant 422426-25UGCN	25 ug	43190

Product Order No.	Pack	Unit Price ₹
L-Selectin, Hu., Recom, CHO Cell line 561303-50UGCN	50 ug	80460
MCSF, Hu., Recom 234376-5UGCN	5 ug	30880
MCSF, Mouse, Recom 234378-10UGCN	10 ug	38240
2.5S NGF, Mouse Submaxillary Glands 480352-10UGCN	10 ug	22200
7S NGF, Mouse Submaxillary Glands 480354-100UGCN	100 ug	22200
PDGF, AA-Chain Homodimer, Hu., R 521215-10UGCN	10 ug	44520
PDGF, AB Heterodimer, Human, Recom 521220-10UGCN	10 ug	50670
PDGF, BB Homodimer, Hu., Recom 521225-10UGCN	10 ug	50670
PDGF, Human Platelets 521200-1UGCN	1 ug	42530
PIGF-1, Hu., Recom 526610-5UGCN	5 ug	32090
P-Selectin, Hu., Recom, CHO Cell line 561306-50UGCN	50 ug	46930
RANTES, Human, Recomb. 553500-10UGCN	10 ug	29560
Stem Cell Factor, Human, Recomb. 569600-10UGCN	10 ug	49460
Stromal Cell-Derived Factor 1alpha, Hu. 572300-10UGCN	10 ug	38240
TGF beta 2 Recombinant Human Protein PF017-1UGCN	1 ug	32090

Product Order No.	Pack	Unit Price ₹
TGF beta 3 Protein, Human Recombinant PF073-2UGCN	2 ug	48250
Thrombospondin, Human Platelets 605225-25UGCN	25 ug	23410
Transforming Growth Factor-a, Recom 616430-100UGCN	100 ug	53200
Transforming Growth Factor-b1, Pig Plat 616460-1UGCN	1 ug	38240
Transforming Growth Factor-b1, Platelets 616450-1UGCN	1 ug	41980
Transforming Growth Factor-b1, Recom 616455-2UGCN	2 ug	44830
Troponin I, Human Heart 648480-100UGCN	100 ug	50830
Troponin T, Human Heart 648484-100UGCN	100 ug	39570
VEGF121, Hu., Recom 676473-5UGCN	5 ug	34620
VEGF164, Mouse, Recom 676474-5UGCN	5 ug	28350
VEGF165, Hu., Recom 676472-10UGCN	10 ug	48250
VEGF165, Human, Recombinant PF074-10UGCN	10 ug	41260
VEGF-C, Rat, Recom 676476-20UGCN	20 ug	86620
Vitronectin, Human Plasma 681105-100UGCN	100 ug	49460

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Technology-packed sensor precisely measures cell size, cell volume and concentration for instant counts and cell health data.

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- Media-Liquid & Powdered
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Catalog No.	Pack	Unit Price ₹
AbSolute Low-IgG Foetal Bovine Serum GEM-100-120-FSL	500 ml	94030
Activin A GEM-300-198P2SL	2 ug	27400
GEM-300-198P10SL	10 ug	63170
GEM-300-198P100SL	100 ug	190660
GEM-300-198P1SL	1 mg	1753610
Activin A GEM-300-356P2SL	2 ug	27400
GEM-300-356P10SL	10 ug	63170
GEM-300-356P100SL	100 ug	190660
GEM-300-356P1SL	1 mg	1753610
Activin A GEM-300-517P2SL	2 µg	27400
GEM-300-517P10SL	10 µg	63170
GEM-300-517P100SL	100 µg	190660
GEM-300-517P1SL	1 mg	1753610
Activin A GF-057-10SL	10 µg	39860
GF-057-50SL	50 µg	101430
GF-057-100SL	100 µg	177200
Activin B GF-117-10SL	10 µg	39860
GF-117-25SL	25 µg	65510
GF-117-100SL	100 µg	177200
Adipogenic Differentiation Kit - Trial size containing basal medium ECM0887D (100ml) and supplement ECM0622N (10ml) ECM0891SSL	1 Kit	18560
Alpha MEM Eagle w/o L-Gln MED-223SL	500 ml	3580
Amphotericin B,antifungal 250ug/ml REA-107SL	100 ml	4560
Ampicillin Powder GEM-400-130-PSSL	25 g	8010
GEM-400-130-PSL	100 g	28560
Antibiotic/Antimycotic Solution GEM-400-101-HSL	100 ml	2440
Artemin GEM-300-100P20SL	20 ug	63170
GEM-300-100P100SL	100 ug	147280
GEM-300-100P1SL	1 mg	986400
Artemin GEM-300-700P5SL	5 µg	27400
BAFF GEM-300-101P5SL	5 ug	27400
GEM-300-101P20SL	20 ug	63170
GEM-300-101P100SL	100 ug	190660
GEM-300-101P1SL	1 mg	1753610
BCA-1 / CXCL13 GEM-300-102P5SL	5 ug	27400
GEM-300-102P20SL	20 ug	63170
GEM-300-102P100SL	100 ug	147280
GEM-300-102P1SL	1 mg	986400
BDNF GEM-300-104P2SL	2 ug	27400
GEM-300-104P10SL	10 ug	63170
GEM-300-104P100SL	100 ug	190660
GEM-300-104P1SL	1 mg	1753610

Catalog No.	Pack	Unit Price ₹
Beagle Plasma EDTA K2 Female Pooled, not Filtered PK2F-114-ZSL	2 ml	2150
PK2F-114-ESL	5 ml	5370
PK2F-114-DSL	10 ml	5750
Beagle Plasma EDTA K2 Female, Individual Donor, not Filtered PK2IF-114-ZSL	2 ml	2150
PK2IF-114-ESL	5 ml	5370
PK2IF-114-DSL	10 ml	5750
PK2IF-114-SSL	50 ml	28740
Beagle Plasma EDTA K2 Male Individual Donor, not Filtered PK2IM-113-XSL	1 ml	1080
PK2IM-114-ZSL	2 ml	2150
PK2IM-114-ESL	5 ml	5370
PK2IM-114-DSL	10 ml	5750
PK2IM-114-JSL	20 ml	11490
Beagle Plasma EDTA K2 Male Pooled, not Filtered PK2M-114-ZSL	2 ml	2150
PK2M-114-ESL	5 ml	5370
PK2M-114-DSL	10 ml	5750
PK2M-114-JSL	20 ml	11490
PK2M-114-SSL	50 ml	31400
Beagle Plasma EDTA K2 Mixed Gender, Pooled, not Filtered PK2-114-XSL	1 ml	1080
PK2-114-ZSL	2 ml	2150
PK2-114-ESL	5 ml	5370
PK2-114-DSL	10 ml	5750
PK2-114-JSL	20 ml	11490
PK2-114-SSL	50 ml	28740
PK2-114-HSL	100 ml	57470
PK2-114-FSL	500 ml	287340
Beagle Plasma EDTA K3 Female Individual Donor, not Filtered PK3IF-114-ZSL	2 ml	2150
PK3IF-114-DSL	10 ml	5750
Beagle Plasma EDTA K3 Female Pooled, not Filtered PK3F-114-DSL	10 ml	5750
Beagle Plasma EDTA K3 Male Individual Donor, not Filtered PK3IM-114-ZSL	2 ml	2150
PK3IM-114-ESL	5 ml	5370
PK3IM-114-DSL	10 ml	5750
Beagle Plasma EDTA K3 Male Pooled, not Filtered PK3M-114-DSL	10 ml	5750
Beagle Plasma EDTA K3 Mixed Gender Pooled, Heavy Charcoal Stripped PK3-114-SHCSL	50 ml	28740
Beagle Plasma EDTA K3 Mixed Gender Pooled, Medium Charcoal Stripped PK3-114-SMCSL	50 ml	28740

Catalog No.	Pack	Unit Price ₹
Beagle Plasma EDTA K3 Mixed Gender Pooled, not Filtered PK3-114-XSL	1 ml	1080
PK3-114-ZSL	2 ml	2150
PK3-114-ESL	5 ml	5370
PK3-114-DSL	10 ml	5750
PK3-114-JSL	20 ml	11490
PK3-114-SSL	50 ml	28740
PK3-114-HSL	100 ml	57470
PK3-114-FSL	500 ml	287340
Beagle Plasma Lithium Heparin Female Individual Donor, not Filtered PLHIF-114-ZSL	2 ml	2090
PLHIF-114-ESL	5 ml	5230
PLHIF-114-DSL	10 ml	5750
Beagle Plasma Lithium Heparin Female Pooled, not Filtered PLHF-114-DSL	10 ml	5750
PLHF-114-JSL	20 ml	11490
Beagle Plasma Lithium Heparin Male Individual Donor, not Filtered PLHIM-114-ZSL	2 ml	2090
PLHIM-114-ESL	5 ml	5230
PLHIM-114-DSL	10 ml	5750
PLHIM-114-JSL	20 ml	11490
Beagle Plasma Lithium Heparin Male Pooled, not Filtered PLHM-114-ESL	5 ml	5230
PLHM-114-DSL	10 ml	5750
PLHM-114-JSL	20 ml	11490
PLHM-114-SSL	50 ml	28740
PLHM-114-HSL	100 ml	57470
Beagle Plasma Lithium Heparin Mixed Gender Pooled, not Filtered PLH-114-XSL	1 ml	1130
PLH-114-ZSL	2 ml	2150
PLH-114-ESL	5 ml	5370
PLH-114-DSL	10 ml	5750
PLH-114-JSL	20 ml	11490
PLH-114-SSL	50 ml	28740
PLH-114-HSL	100 ml	57470
PLH-114-FSL	500 ml	287340
Beagle Plasma Potassium Oxalate/Sodium Fluoride Mixed Gender Pooled, not Filtered PPOSF-114-DSL	10 ml	6280
PPOSF-114-SSL	50 ml	28740
PPOSF-114-HSL	100 ml	62790
Beagle Plasma Sodium EDTA Male Individual Donor, not Filtered PSEIM-114-DSL	10 ml	5750
Beagle Plasma Sodium EDTA Mixed Gender Pooled, not Filtered PSE-114-ZSL	2 ml	2090
PSE-114-DSL	10 ml	5750
PSE-114-SSL	50 ml	28740
PSE-114-HSL	100 ml	62790
Beagle Plasma Sodium EDTA Sodium Fluoride Female Individual Donor, not Filtered PSESFIF-114-ZSL	2 ml	2090

Catalog No.	Pack	Unit Price ₹
Beagle Plasma Sodium EDTA Sodium Fluoride Mixed Gender Pooled, not Filtered		
PSESF-114-ESL	5 ml	5230
PSESF-114-DSL	10 ml	5750
Beagle Plasma Sodium Heparin Mixed Gender Pooled, not Filtered		
PSH-114-XSL	1 ml	1130
PSH-114-ZSL	2 ml	2090
PSH-114-ESL	5 ml	5230
PSH-114-DSL	10 ml	5750
PSH-114-JSL	20 ml	11490
PSH-114-SSL	50 ml	28740
PSH-114-HSL	100 ml	57470
PSH-114-FSL	500 ml	287340
Beagle Plasma, EDTA K2 Sodium Fluoride Female Individual Donor, not Filtered		
PK2SFIF-114-ESL	5 ml	3140
Beagle Plasma, EDTA K2 Sodium Fluoride Male Individual Donor, not Filtered		
PK2SFIM-114-ESL	5 ml	3140
Beagle Plasma, EDTA K2 Sodium Fluoride Male Pooled, not Filtered		
PK2SFM-114-ESL	5 ml	5370
Beagle Plasma, EDTA K2 Sodium Fluoride Mixed Gender Pooled, not Filtered		
PK2SF-114-DSL	10 ml	5750
Beagle Plasma, EDTA K3, Male Pooled, not Filtered		
PK3M-114-ESL	5 ml	5370
Beagle Plasma, Sodium EDTA Female Individual Donor, not Filtered		
PSEIF-114-DSL	10 ml	5750
Beagle Serum Female Individual Donor, not Filtered		
SIF-114-XSL	1 ml	1740
SIF-114-ESL	5 ml	5230
SIF-114-DSL	10 ml	5750
SIF-114-JSL	20 ml	11490
Beagle Serum Female Pooled, not Filtered		
SF-114-DSL	10 ml	5750
Beagle Serum Male Individual Donor, not Filtered		
SIM-114-XSL	1 ml	1740
SIM-114-ESL	5 ml	5230
SIM-114-DSL	10 ml	5750
SIM-114-JSL	20 ml	11490
Beagle Serum Male Pooled, not Filtered		
SM-114-JSL	20 ml	11490
Beagle Serum Mixed Gender Pooled, not Filtered		
S-114-XSL	1 ml	1130
S-114-ZSL	2 ml	2090
S-114-ESL	5 ml	5230
S-114-DSL	10 ml	5750
S-114-JSL	20 ml	11490
S-114-SSL	50 ml	28740
S-114-HSL	100 ml	57470
S-114-FSL	500 ml	287340

Catalog No.	Pack	Unit Price ₹
Beagle Urine Mixed Gender Pooled, not Filtered		
U-114-ESL	5 ml	3050
U-114-DSL	10 ml	6100
U-114-JSL	20 ml	12190
U-114-SSL	50 ml	33300
U-114-HSL	100 ml	60950
Beagle Whole Blood EDTA K2 Male Pooled, not Filtered		
BK2M-114-DSL	10 ml	5750
Beagle Whole Blood EDTA K2 Male Pooled, not Filtered		
BK2M-114-JSL	20 ml	11490
Beagle Whole Blood EDTA K2 Male Pooled, not Filtered		
BK2M-114-SSL	50 ml	28740
Beagle Whole Blood EDTA K2 Mixed Gender, Pooled, not Filtered		
BK2-114-XSL	1 ml	1130
BK2-114-ESL	5 ml	2870
BK2-114-DSL	10 ml	5750
BK2-114-JSL	20 ml	11490
BK2-114-SSL	50 ml	28740
Beagle Whole Blood EDTA K3 Female Individual Donor, not Filtered		
BK3IF-114-DSL	10 ml	5750
Beagle Whole Blood EDTA K3 Male Individual Donor, not Filtered		
BK3IM-114-DSL	10 ml	5750
Beagle Whole Blood EDTA K3 Male Pooled, not Filtered		
BK3M-114-DSL	10 ml	5750
Beagle Whole Blood EDTA K3 Mixed Gender Pooled, not Filtered		
BK3-114-DSL	10 ml	5750
BK3-114-SSL	50 ml	28740
Beagle Whole Blood Lithium Heparin Female Individual Donor, not Filtered		
BLHIF-114-DSL	10 ml	5750
Beagle Whole Blood Lithium Heparin Male Individual Donor, not Filtered		
BLHIM-114-DSL	10 ml	5750
Beagle Whole Blood Lithium Heparin Male Pooled, not Filtered		
BLHM-114-JSL	20 ml	11490
BLHM-114-SSL	50 ml	28740
Beagle Whole Blood Lithium Heparin Mixed Gender Pooled, not Filtered		
BLH-114-ESL	5 ml	5370
BLH-114-DSL	10 ml	5750
BLH-114-SSL	50 ml	28740
Beagle Whole Blood Sodium EDTA Female Individual Donor, not Filtered		
BSEIF-114-DSL	10 ml	6280
Beagle Whole Blood Sodium EDTA Mixed Gender Pooled, not Filtered		
BSE-114-DSL	10 ml	5750
BSE-114-JSL	20 ml	11490
BSE-114-HSL	100 ml	57470

Catalog No.	Pack	Unit Price ₹
Beagle Whole Blood Sodium Heparin Mixed Gender Pooled, not Filtered		
BSH-114-DSL	10 ml	5750
BSH-114-SSL	50 ml	28740
Beagle Whole Blood, EDTA K2 Female Individual Donor, not Filtered		
BK2IF-114-DSL	10 ml	5750
Blasticidin S HCL Powder		
GEM-400-165-P50SL	50 mg	41800
GEM-400-165-P100SL	100 mg	69660
BMP-2		
GEM-300-103P2SL	2 ug	27400
GEM-300-103P10SL	10 ug	63170
GEM-300-103P100SL	100 ug	190660
GEM-300-103P1SL	1 mg	1753610
BMP-2		
GF-026-10SL	10 µg	29600
GF-026-100SL	100 µg	141290
GF-026-1000SL	1000 µg	851660
Bovine apo-Transferrin Powder		
GEM-800-130-PSL	EA	26260
Bovine holo-Transferrin Powder		
GEM-800-131-PSL	EA	26260
Bovine Insulin Powder		
GEM-700-112-PSL	100 mg	102750
Bovine Insulin Powder - Gamma Irradiated		
GEM-700-912-PSL	100 mg	137580
Bovine Pituitary Extract		
GEM-500-102SL	100 mg	23220
Bovine Plasma Lithium Heparin Female Individual Donor, not Filtered		
PLHIF-202-HSL	100 ml	37140
Bovine Plasma Lithium Heparin Female Pooled, not Filtered		
PLHF-202-JSL	20 ml	18570
Bovine Plasma Lithium Heparin Male Individual Donor, not Filtered		
PLHIM-202-DSL	10 ml	18570
PLHIM-202-HSL	100 ml	37140
Bovine Plasma Lithium Heparin Male Pooled, not Filtered		
PLHM-202-JSL	20 ml	18570
PLHM-202-HSL	100 ml	37140
Bovine Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLH-202-JSL	20 ml	18570
PLH-202-HSL	100 ml	37140
Bovine Plasma Sodium Citrate Mixed Gender Pooled, not Filtered		
PSC-202-HSL	100 ml	37140
PSC-202-FSL	500 ml	185730
Bovine Serum Albumin (BSA) Fraction V--Low-Electrolyte Grade		
GEM-700-109-PJSL	20 g	10450
GEM-700-109-PHSL	100 g	27870
GEM-700-109-PKSL	1 kg	243810
Bovine Serum Albumin (BSA) Fraction V--Solution (30%)		
GEM-700-110-LSL	1000 ml	121910

Catalog No.	Pack	Unit Price ₹
Bovine Serum Albumin (BSA) High Polymer Bovine Serum Albumin (BSA) Solution GEM-700-111-LSL	1000 ml	121910
Bovine Serum Albumin (BSA) Cohn Fraction V GEM-700-108-PJSL	20 g	20900
GEM-700-108-PHSL	100 g	32040
GEM-700-108-PKSL	1 kg	252510
Bovine Serum Albumin (BSA) Dnase/Rnase Activity Free - 30% Solution BSA-1070-30-LSL	1 litre	58410
Bovine Serum Albumin (BSA) Dnase/Rnase Activity Free - Lyophilized BSA-1070-70-KPSL	1 kg	179170
Bovine Serum Albumin (BSA) Fatty Acid Free - 30% Solution BSA-1035-30-LSL	1 litre	58410
Bovine Serum Albumin (BSA) Fatty Acid Free - Lyophilized BSA-1035-70-KPSL	1 kg	179170
Bovine Serum Albumin (BSA) Fraction V - Serum replacement GEM-700-104-PJSL	20 g	17420
GEM-700-104-PHSL	100 g	34830
GEM-700-104-PKSL	1 kg	169970
Bovine Serum Albumin (BSA) Fraction V--Fatty Acid-Free Grade GEM-700-107-PJSL	20 g	17420
GEM-700-107-PHSL	100 g	34830
GEM-700-107-PKSL	1 kg	208980
Bovine Serum Albumin (BSA) Fraction V--Low- Endotoxin Grade GEM-700-102-PJSL	20 g	19150
GEM-700-102-PHSL	100 g	41800
GEM-700-102-PKSL	1 kg	226390
Bovine Serum Albumin (BSA) Fraction V--Low- IgG Grade GEM-700-105-PJSL	20 g	13930
GEM-700-105-PHSL	100 g	31340
GEM-700-105-PKSL	1 kg	174150
Bovine Serum Albumin (BSA) Fraction V-- Molecular Biology Grade GEM-700-106-PJSL	20 g	19150
GEM-700-106-PHSL	100 g	41800
GEM-700-106-PKSL	1 kg	226390
Bovine Serum Albumin (BSA) Fraction V-- Protease-Free Grade GEM-700-101-PJSL	20 g	17420
GEM-700-101-PHSL	100 g	34830
GEM-700-101-PKSL	1 kg	208980
Bovine Serum Albumin (BSA) Fraction V-- Standard Grade GEM-700-100-PJSL	20 g	10450
GEM-700-100-PHSL	100 g	27870
GEM-700-100-PKSL	1 kg	124690
Bovine Serum Albumin (BSA) IgG Free - 30% Solution BSA-1060-30-LSL	1 litre	56440
Bovine Serum Albumin (BSA) IgG Free - Lyophilized BSA-1060-70-KPSL	1 kg	175230

Catalog No.	Pack	Unit Price ₹
Bovine Serum Albumin (BSA) Low Endotoxin - 30% Solution BSA-1010-30-LSL	1 litre	56440
Bovine Serum Albumin (BSA) Low Endotoxin - Lyophilized BSA-1010-70-KPSL	1 kg	175230
Bovine Serum Albumin (BSA) Low Salts - 30% Solution BSA-1030-30-LSL	1 litre	56440
Bovine Serum Albumin (BSA) Low Salts - Lyophilized BSA-1030-70-KPSL	1 kg	175230
Bovine Serum Albumin (BSA) pH 5,2 - 30% Solution BSA-1025-30-LSL	1 litre	56440
Bovine Serum Albumin (BSA) pH 5,2 - Lyophilized BSA-1025-70-KPSL	1 kg	175230
Bovine Serum Albumin (BSA) Polymerized Type I- 30% Solution BSA-1041-30-LSL	1 litre	54070
Bovine Serum Albumin (BSA) Polymerized Type III- 30% Solution BSA-1043-30-LSL	1 litre	54070
Bovine Serum Albumin (BSA) Protease Free - 30% Solution BSA-1005-30-LSL	1 litre	48150
Bovine Serum Albumin (BSA) Protease Free - Lyophilized BSA-1005-70-KPSL	1 kg	133000
Bovine Serum Albumin (BSA) Standard Grade - 22% Solution BSA-1000-22-LSL	1 litre	33550
Bovine Serum Albumin (BSA) Standard Grade - 30% Solution BSA-1000-30-LSL	1 litre	46170
Bovine Serum Albumin (BSA) Standard Grade - Lyophilized BSA-1000-70-KPSL	1 kg	126680
Bovine Serum Albumin (BSA) Very Low Endotoxin - 30% Solution BSA-1011-30-LSL	1 litre	58410
Bovine Serum Albumin (BSA) Very Low Endotoxin - Lyophilized BSA-1011-70-KPSL	1 kg	179170
Bovine Whole Blood Sodium Citrate Male Pooled, not Filtered BSCM-202-HSL	100 ml	28830
Carbenicillin Powder GEM-400-105-P2SL	2 g	3490
GEM-400-105-P5SL	5 g	6960
Cat Plasma EDTA K2 Female Individual Donor, not Filtered PK2IF-120-ESL	5 ml	8560
Cat Plasma EDTA K2 Male Individual Donor, not Filtered PK2IM-120-ESL	5 ml	8560

Catalog No.	Pack	Unit Price ₹
Cat Plasma EDTA K2 Mixed Gender, Pooled, not Filtered PK2-120-XSL	1 ml	1570
PK2-120-ZSL	2 ml	3140
PK2-120-ESL	5 ml	7830
PK2-120-DSL	10 ml	15680
PK2-120-JSL	20 ml	31340
PK2-120-SSL	50 ml	78370
PK2-120-HSL	100 ml	156730
PK2-120-FSL	500 ml	783680
Cat Plasma EDTA K3 Female Individual Donor, not Filtered PK3IF-120-ESL	5 ml	8560
Cat Plasma EDTA K3 Male Individual Donor, not Filtered PK3IM-120-ESL	5 ml	8560
Cat Plasma EDTA K3 Mixed Gender Pooled, not Filtered PK3-120-XSL	1 ml	1570
PK3-120-ZSL	2 ml	3140
PK3-120-ESL	5 ml	7830
PK3-120-DSL	10 ml	15680
PK3-120-JSL	20 ml	31340
PK3-120-SSL	50 ml	78370
PK3-120-HSL	100 ml	156730
PK3-120-FSL	500 ml	783680
Cat Plasma Lithium Heparin Female Individual Donor, not Filtered PLHIF-120-ESL	5 ml	8560
Cat Plasma Lithium Heparin Male Individual Donor, not Filtered PLHIM-120-ESL	5 ml	8560
Cat Plasma Lithium Heparin Mixed Gender Pooled, not Filtered PLH-120-XSL	1 ml	1570
PLH-120-ZSL	2 ml	3140
PLH-120-ESL	5 ml	7830
PLH-120-DSL	10 ml	15680
PLH-120-JSL	20 ml	31340
PLH-120-SSL	50 ml	78370
PLH-120-HSL	100 ml	156730
PLH-120-FSL	500 ml	783680
Cat Plasma Sodium EDTA Male Individual Donor, not Filtered PSEIM-120-ESL	5 ml	8560
Cat Plasma Sodium Heparin Mixed Gender Pooled, not Filtered PSH-120-DSL	10 ml	15680
PSH-120-JSL	20 ml	31340
Cat Serum Female Individual Donor, not Filtered SIF-120-XSL	1 ml	1900
SIF-120-ZSL	2 ml	3430
SIF-120-ESL	5 ml	8560
Cat Serum Female Individual, not Filtered SIF-120-JSL	20 ml	34250
Cat Serum Male Individual Donor, not Filtered SIM-120-XSL	1 ml	1900
SIM-120-ZSL	2 ml	3430
SIM-120-ESL	5 ml	8560
SIM-120-JSL	20 ml	31340

Catalog No.	Pack	Unit Price ₹
Cat Serum Mixed Gender Pooled, not Filtered		
S-120-XSL	1 ml	1570
S-120-ZSL	2 ml	3140
S-120-ESL	5 ml	7830
S-120-DSL	10 ml	15680
S-120-JSL	20 ml	31340
S-120-SSL	50 ml	78370
S-120-HSL	100 ml	156730
S-120-FSL	500 ml	783680
Cat Whole Blood EDTA K3 Mixed Gender Pooled, not Filtered		
BK3-120-ESL	5 ml	3550
CD40-Ligand		
GEM-300-105P10SL	10 ug	27400
GEM-300-105P50SL	50 ug	63170
GEM-300-105P1SL	1 mg	438400
CD40-Ligand		
GEM-300-300P5SL	5 ug	27400
GEM-300-300P25SL	25 ug	63170
GEM-300-300P100SL	100 ug	147280
GEM-300-300P1SL	1 mg	986400
Charcoal/Dextran Stripped Foetal Bovine Serum		
GEM-100-119-FSL	500 ml	59100
Chemerin		
GEM-300-106P5SL	5 ug	27400
GEM-300-106P25SL	25 ug	63170
GEM-300-106P100SL	100 ug	147280
GEM-300-106P1SL	1 mg	986400
Chicken Embryo Extract - Frozen		
CE-650-ESL	5 ml	2530
CE-650-JSL	20 ml	10140
CE-650-FSL	500 ml	170670
Chicken Embryo Extract - Lyophilised		
CE-650-DLSL	10 ml	6660
CE-650-JLSL	20 ml	8970
Chicken Red Blood Cells in Alsevers (10ml blood, 10ml Alsevers solution)		
BAS-606-JSL	EA	66290
Chicken Red Blood Cells in Alsevers (2.5ml blood, 2.5ml Alsevers slution)		
BAS-606-ESL	5 ml	63500
Chicken Red Blood Cells in Alsevers (25ml blood, 25ml Alsevers)		
BAS-606-SSL	50 ml	163930
Chicken Red Blood Cells in Alsevers (5ml blood, 5ml Alsevers solution)		
BAS-606-DSL	10 ml	64430
Chondrogenic Differentiation Kit - containing basal medium ECM0887D (500ml) and supplement ECM0621A (1ml)		
ECM0890SSL	1 Kit	42590
Chrysalis Insect Cell Qualified Foetal Bovine Serum		
GEM-100-135-FSL	500 ml	46560
CNTF		
GEM-300-107P5SL	5 ug	27400
CNTF		
GEM-300-107P20SL	20 ug	63170
CNTF		
GEM-300-107P100SL	100 ug	147280

Catalog No.	Pack	Unit Price ₹
CNTF		
GEM-300-107P1SL	1 mg	986400
Continuum Transfection Agent		
GEM-400-700SL	EA	22830
CTGF		
GEM-300-108P5SL	5 ug	27400
CTGF		
GEM-300-108P20SL	20 ug	63170
CTGF		
GEM-300-108P100SL	100 ug	147280
CTGF		
GEM-300-108P1SL	1 mg	1169070
Cynomolgus Monkey Plasma EDTA K2 Female Individual Donor, not Filtered		
PK2IF-118-XSL	1 ml	5410
PK2IF-118-ZSL	2 ml	10800
PK2IF-118-ESL	5 ml	27020
PK2IF-118-DSL	10 ml	54030
PK2IF-118-JSL	20 ml	108060
Cynomolgus Monkey Plasma EDTA K2 Male Individual Donor, not Filtered		
PK2IM-118-XSL	1 ml	5410
PK2IM-118-ZSL	2 ml	10800
PK2IM-118-ESL	5 ml	27020
PK2IM-118-DSL	10 ml	54030
PK2IM-118-JSL	20 ml	108060
Cynomolgus Monkey Plasma EDTA K2 Male Pooled, not Filtered		
PK2M-118-ESL	5 ml	24760
PK2M-118-DSL	10 ml	49540
PK2M-118-JSL	20 ml	99070
Cynomolgus Monkey Plasma EDTA K2 Mixed Gender, Pooled, not Filtered		
PK2-118-XSL	1 ml	4950
PK2-118-ZSL	2 ml	9910
PK2-118-ESL	5 ml	24760
PK2-118-DSL	10 ml	49540
PK2-118-JSL	20 ml	99070
PK2-118-SSL	50 ml	247680
PK2-118-HSL	100 ml	495370
PK2-118-QSL	250 ml	1238430
PK2-118-FSL	500 ml	2476850
Cynomolgus Monkey Plasma EDTA K2 Sodium Fluoride Male Pooled, not Filtered		
PK2SFM-118-ESL	5 ml	24760
Cynomolgus Monkey Plasma EDTA K2 Sodium Fluoride, Mixed Gender Pooled, not Filtered		
PK2SF-118-DSL	10 ml	49540
Cynomolgus Monkey Plasma EDTA K3 Female Individual Donor not Filtered		
PK3IF-118-XSL	1 ml	5410
PK3IF-118-DSL	10 ml	54030
PK3IF-118-JSL	20 ml	108060
Cynomolgus Monkey Plasma EDTA K3 Female Individual Donor with Sodium Fluoride, not Filtered		
PK3SFIF-118-ZSL	2 ml	6660
Cynomolgus Monkey Plasma EDTA K3 Male Individual Donor with Sodium Fluoride, not Filtered		
PK3SFIM-118-ZSL	2 ml	6660

Catalog No.	Pack	Unit Price ₹
Cynomolgus Monkey Plasma EDTA K3 Male Individual Donor, not Filtered		
PK3IM-118-XSL	1 ml	5410
PK3IM-118-ESL	5 ml	27020
PK3IM-118-DSL	10 ml	54030
PK3IM-118-JSL	20 ml	108060
Cynomolgus Monkey Plasma EDTA K3 Male Pooled, not Filtered		
PK3M-118-ESL	5 ml	24760
Cynomolgus Monkey Plasma EDTA K3 Mixed Gender Pooled with Sodium Fluoride, not Filtered		
PK3SF-118-DSL	10 ml	49540
Cynomolgus Monkey Plasma EDTA K3 Mixed Gender Pooled, not Filtered		
PK3-118-XSL	1 ml	4950
PK3-118-ZSL	2 ml	9910
PK3-118-ESL	5 ml	24760
PK3-118-DSL	10 ml	49540
PK3-118-JSL	20 ml	99070
PK3-118-SSL	50 ml	247680
PK3-118-HSL	100 ml	495370
PK3-118-FSL	500 ml	2476850
Cynomolgus Monkey Plasma Lithium Heparin Female Individual Donor, not Filtered		
PLHIF-118-XSL	1 ml	5260
PLHIF-118-ESL	5 ml	26280
PLHIF-118-DSL	10 ml	52540
Cynomolgus Monkey Plasma Lithium Heparin Female Pooled, not Filtered		
PLHF-118-DSL	10 ml	48180
Cynomolgus Monkey Plasma Lithium Heparin Male Individual Donor, not Filtered		
PLHIM-118-XSL	1 ml	5260
PLHIM-118-ESL	5 ml	26280
PLHIM-118-DSL	10 ml	52540
PLHIM-118-SSL	50 ml	262730
Cynomolgus Monkey Plasma Lithium Heparin Male Pooled, not Filtered		
PLHM-118-XSL	1 ml	4810
PLHM-118-ZSL	2 ml	9640
PLHM-118-ESL	5 ml	24080
PLHM-118-DSL	10 ml	48180
PLHM-118-JSL	20 ml	96340
PLHM-118-SSL	50 ml	240860
PLHM-118-HSL	100 ml	481740
Cynomolgus Monkey Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLH-118-XSL	1 ml	4950
PLH-118-ZSL	2 ml	9910
PLH-118-ESL	5 ml	24760
PLH-118-DSL	10 ml	49540
PLH-118-JSL	20 ml	247680
PLH-118-SSL	50 ml	247680
PLH-118-HSL	100 ml	495370
PLH-118-FSL	500 ml	2476850
Cynomolgus Monkey Plasma Sodium EDTA (1.75mg/ml) Female Individual Donor with Sodium Fluoride (2.0mg/ml), not Filtered		
PSESFIF-118-ZSL	2 ml	6660

Catalog No.	Pack	Unit Price ₹
Cynomolgus Monkey Plasma Sodium EDTA (1.75mg/ml) Male Individual Donor with Sodium Fluoride (2.0mg/ml), not Filtered		
PSEFIM-118-ZSL	2 ml	6660
Cynomolgus Monkey Plasma Sodium EDTA Mixed Gender Pooled, not Filtered		
PSE-118-DSL	10 ml	48180
Cynomolgus Monkey Plasma Sodium EDTA Mixed Gender Pooled, not Filtered		
PSE-118-SSL	50 ml	240860
Cynomolgus Monkey Plasma Sodium EDTA/NaFI Mixed Gender Pooled, not Filtered		
PSEF-118-DSL	10 ml	48180
Cynomolgus Monkey Plasma Sodium Heparin Female Individual Donor, not Filtered		
PSHIF-118-DSL	10 ml	52540
Cynomolgus Monkey Plasma Sodium Heparin Male Individual Donor, not Filtered		
PSHIM-118-DSL	10 ml	52540
Cynomolgus Monkey Plasma Sodium Heparin Mixed Gender Pooled, not Filtered		
PSH-118-XSL	1 ml	4810
PSH-118-ZSL	2 ml	9640
PSH-118-ESL	5 ml	24080
PSH-118-DSL	10 ml	48180
PSH-118-JSL	20 ml	96340
PSH-118-SSL	50 ml	240860
PSH-118-HSL	100 ml	481740
PSH-118-FSL	500 ml	2408680
Cynomolgus Monkey Serum Female Individual Donor, not Filtered		
SIF-118-ASL	0.5 ml	2830
SIF-118-XSL	1 ml	5260
SIF-118-ZSL	2 ml	10500
SIF-118-ESL	5 ml	26280
SIF-118-DSL	10 ml	52540
SIF-118-JSL	20 ml	105090
Cynomolgus Monkey Serum Female Pooled, not Filtered		
SF-118-SSL	50 ml	240860
Cynomolgus Monkey Serum Male Individual Donor, not Filtered		
SIM-118-ASL	0.5 ml	2830
SIM-118-XSL	1 ml	5260
SIM-118-ZSL	2 ml	10500
SIM-118-ESL	5 ml	26280
SIM-118-DSL	10 ml	52540
SIM-118-JSL	20 ml	105090
Cynomolgus Monkey Serum Male Pooled, not Filtered		
SM-118-SSL	50 ml	240860
SM-118-HSL	100 ml	481740
Cynomolgus Monkey Serum Mixed Gender Pooled, not Filtered		
S-118-XSL	1 ml	4810
S-118-ZSL	2 ml	9640
S-118-ESL	5 ml	24080
S-118-DSL	10 ml	48180
S-118-JSL	20 ml	96340
S-118-SSL	50 ml	240860
S-118-HSL	100 ml	481740
S-118-FSL	500 ml	2408680

Catalog No.	Pack	Unit Price ₹
Cynomolgus Monkey Whole Blood EDTA K2 Female Individual Donor, not Filtered		
BK2IF-118-DSL	10 ml	54030
Cynomolgus Monkey Whole Blood EDTA K2 Male Individual Donor, not Filtered		
BK2IM-118-DSL	10 ml	54030
Cynomolgus Monkey Whole Blood EDTA K2 Mixed Gender, Pooled, not Filtered		
BK2-118-XSL	1 ml	5180
BK2-118-ZSL	2 ml	10360
BK2-118-ESL	5 ml	25900
BK2-118-DSL	10 ml	51810
BK2-118-JSL	20 ml	103610
BK2-118-SSL	50 ml	259040
BK2-118-HSL	100 ml	518100
Cynomolgus Monkey Whole Blood EDTA K3 Mixed Gender Pooled, not Filtered		
BK3-118-SSL	50 ml	247680
Cynomolgus Monkey Whole Blood Lithium Heparin Male Pooled, not Filtered		
BLHM-118-JSL	20 ml	99070
Cynomolgus Monkey Whole Blood Lithium Heparin Mixed Gender Pooled, not Filtered		
BLH-118-DSL	10 ml	49540
Cynomolgus Monkey Whole Blood Lithium Heparin, Male Individual Donor, not filtered		
BLHIM-118-DSL	10 ml	54030
BLHIM-118-JSL	20 ml	108060
Cynomolgus Monkey Whole Blood Sodium EDTA Mixed Gender Pooled, not Filtered		
BSE-118-SSL	100 ml	495370
Cynomolgus Monkey Whole Blood Sodium Heparin Male Individual Donor, not Filtered		
BSHIM-118-ESL	5 ml	27020
Dialysed Foetal Bovine Serum		
GEM-100-108-FSL	500 ml	57660
DMEM High Glucose 4g/L with Na Pyruvate, W/O Glutamine		
MED-207SL	500 ml	1240
DMEM High Glucose 4g/L with Na Pyruvate, With Glutamine		
MED-208SL	500 ml	1240
DMEM High Glucose 4g/L with Na Pyruvate, With stable Glutamine		
MED-246SL	500 ml	1240
DMEM Low Glucose W/O Glutamine		
MED-201SL	500 ml	1160
DMEM Low Glucose with 25mM HEPES		
MED-203SL	500 ml	1240
DMEM/Hams F12 with Glutamine		
MED-210SL	500 ml	1160
Dulbecco's PBS (1x) w/o Ca & Mg, sterile		
REA-201SL	500 ml	1250
Dulbecco's PBS (1x) with Ca & Mg, sterile		
REA-200SL	500 ml	1250
EGF		
GEM-300-110P100SL	100 ug	27400
GEM-300-110P500SL	500 ug	63170
GEM-300-110P1SL	1 mg	80300

Catalog No.	Pack	Unit Price ₹
EGF		
GEM-300-301P100SL	100 ug	27400
GEM-300-301P500SL	500 ug	63170
GEM-300-301P1SL	1 mg	80300
EGF		
GEM-300-518P20SL	20 ug	27400
GEM-300-518P100SL	100 ug	63170
GEM-300-518P1SL	1 mg	328800
EG-VEGF		
GEM-300-109P5SL	5 ug	27400
GEM-300-109P20SL	20 ug	63170
GEM-300-109P100SL	100 ug	147280
GEM-300-109P1SL	1 mg	986400
FetalPlex Animal Serum Complex		
GEM-100-602-FSL	EA	28090
FGF2		
GF-1110-10SL	10 ug	14210
GF-1110-50SL	50 ug	34730
GF-1110-100SL	100 ug	47360
GF-1110-1000SL	1000 ug	230870
FGF-21		
GEM-300-115P5SL	5 ug	27400
GEM-300-115P20SL	20 ug	63170
GEM-300-115P100SL	100 ug	175060
GEM-300-115P1SL	1 mg	986400
FGF-22		
GEM-300-116P5SL	5 ug	27400
GEM-300-116P20SL	20 ug	63170
GEM-300-116P100SL	100 ug	190660
GEM-300-116P1SL	1 mg	1680540
FGF-4		
GEM-300-117P5SL	5 ug	27400
GEM-300-117P25SL	25 ug	63170
GEM-300-117P100SL	100 ug	147280
GEM-300-117P1SL	1 mg	986400
FGF-9		
GEM-300-303P2SL	2 ug	27400
GEM-300-303P10SL	10 ug	63170
GEM-300-303P100SL	100 ug	147280
GEM-300-303P1SL	1 mg	1315210
FGF-9		
GEM-300-500P2SL	2 ug	27400
GEM-300-500P10SL	10 ug	63170
GEM-300-500P100SL	100 ug	147280
GEM-300-500P1SL	1 mg	1315210
FGF-acidic		
GEM-300-114P10SL	10 ug	27400
GEM-300-114P50SL	50 ug	63170
GEM-300-114P1SL	1 mg	438400
FGF-acidic		
GEM-300-304P10SL	10 ug	27400
GEM-300-304P50SL	50 ug	63170
GEM-300-304P1SL	1 mg	438400
FGF-basic		
GEM-300-305P10SL	10 ug	27400
GEM-300-305P50SL	50 ug	63170
GEM-300-305P1SL	1 mg	438400
FGF-basic 147		
GEM-300-112P10SL	10 ug	27400
GEM-300-112P50SL	50 ug	63170
GEM-300-112P1SL	1 mg	438400

Catalog No.	Pack	Unit Price ₹
FGF-basic 154		
GEM-300-113P10SL	10 ug	27400
GEM-300-113P50SL	50 ug	63170
GEM-300-113P1SL	1 mg	365330
Fibronectin Powder		
GEM-800-129-PSL	1 mg	24380
Fibronectin Solution (0.1%)		
GEM-400-135SL	1 ml	27870
FLT-3 Ligand		
GEM-300-118P2SL	2 ug	27400
GEM-300-118P10SL	10 ug	63170
GEM-300-118P100SL	100 ug	258780
GEM-300-118PSL	1 mg	1315210
FLT-3 Ligand		
GEM-300-306P2SL	2 ug	27400
GEM-300-306P10SL	10 ug	63170
GEM-300-306P100SL	100 ug	147280
GEM-300-306P1SL	1 mg	1315210
FLT-3lig		
GF-0120-10SL	10 µg	30780
GF-0120-50SL	50 µg	86030
GF-0120-100SL	100 µg	131020
GF-0120-1000SL	1000 µg	602630
Foetal Bovine Serum BenchMark™		
GEM-100-106-FSL	500 ml	42980
Foetal Bovine Serum EUROMED-ES : Tested Serum for murine ES cells culture (EU approved)		
ECS0196D SL	100 ml	9020
ECS0196L SL	500 ml	40450
Foetal Bovine Serum Foundation™		
GEM-900-108-FSL	500 ml	39710
Foetal Bovine Serum GemCell™ U.S. Origin		
GEM-100-500-FSL	500 ml	48350
Foetal Bovine Serum New Zealand No-Worries™		
GEM-100-730-FSL	500 ml	82200
Follistatin		
GEM-300-199P5SL	5 ug	27400
GEM-300-199P20SL	20 ug	63170
GEM-300-199P100SL	100 ug	190660
GEM-300-199P1SL	1 mg	1753610
Follistatin		
GEM-300-357P5SL	5 ug	27400
GEM-300-357P20SL	20 ug	63170
GEM-300-357P100SL	100 ug	190660
GEM-300-357P1SL	1 mg	1753610
Foundation B Foetal Bovine Serum		
GEM-900-208-FSL	EA	66600
Fractalkine		
GEM-300-200P5SL	5 ug	27400
GEM-300-200P20SL	20 ug	63170
GEM-300-200P100SL	100 ug	147280
GEM-300-200P1SL	1 mg	986400
Freezing Medium		
ECM0617NSL	50 ml	13770
Freezing Medium – Serum Free		
ECM0625NSL	50 ml	43170
Fungizone® Solution		
GEM-400-104-HSL	100 ml	5580

Catalog No.	Pack	Unit Price ₹
G418 Solution (50mg/mL)		
GEM-400-113-JSL	20 ml	13930
G418 Sulfate Powder		
GEM-400-111-P1SL	1 g	10450
GEM-400-111-P5SL	5 g	21590
G5 Neuro Supplement		
GEM-400-164SL	1 ml	10450
Galectin-1		
GEM-300-119P10SL	10 ug	27400
GEM-300-119P50SL	50 ug	63170
GEM-300-119P1SL	1 mg	438400
Galectin-3		
GEM-300-120P10SL	10 ug	27400
GEM-300-120P50SL	50 ug	63170
GEM-300-120P1SL	1 mg	438400
G-CSF		
GEM-300-123P2SL	2 ug	27400
GEM-300-123P10SL	10 ug	63170
GEM-300-123P100SL	100 ug	190660
GEM-300-123P1SL	1 mg	1753610
G-CSF		
GEM-300-307P2SL	2 ug	27400
GEM-300-307P10SL	10 ug	63170
GEM-300-307P100SL	100 ug	190660
GEM-300-307P1SL	1 mg	1753610
G-CSF		
GF-070-10SL	10 µg	30780
GF-070-50SL	50 µg	120760
GF-070-100SL	100 µg	184700
GF-070-1000SL	1000 µg	872180
GDF-15		
GEM-300-128P5SL	5 ug	27400
GEM-300-128P20SL	20 ug	63170
GEM-300-128P100SL	100 ug	147280
GEM-300-128P1SL	1 mg	1278670
GDF-15-D		
GEM-300-129P5SL	5 ug	27400
GEM-300-129P20SL	20 ug	63170
GEM-300-129P100SL	100 ug	147280
GEM-300-129P1SL	1 mg	1278670
GDF-5		
GEM-300-130P10SL	10 ug	27400
GEM-300-130P50SL	50 ug	63170
GEM-300-130P1SL	1 mg	438400
GDNF		
GEM-300-121P2SL	2 ug	27400
GEM-300-121P10SL	10 ug	63170
GEM-300-121P100SL	100 ug	190660
GEM-300-121P1SL	1 mg	1753610
GDNF		
GF-0460-10SL	10 µg	30780
GF-0460-50SL	50 µg	95110
GF-0460-100SL	100 µg	166940
GF-0460-1000SL	1000 µg	872180
Gem21 NeuroPlex Supplement		
GEM-400-160-DSL	10 ml	10110
Gem21 NeuroPlex Supplement without A0		
GEM-400-162-DSL	10 ml	12190
Gem21 NeuroPlex Supplement without Vitamin A		
GEM-400-161-DSL	10 ml	13930

Catalog No.	Pack	Unit Price ₹
GemCell US Adult Bovine Serum		
GEM-100-101-FSL	500 ml	11840
GemCell US or NZ Bovine Calf Serum		
GEM-100-506-FSL	500 ml	11840
GemCell US or NZ Newborn Calf Serum		
GEM-100-504-FSL	500 ml	14630
GemCell™ Human Serum AB U.S. Origin Male donors only		
GEM-100-512-HSL	100 ml	24940
Gentamicin Sulfate Powder		
GEM-400-100-PSL	10 g	3490
Gentamicin Sulfate Solution (10mg/mL)		
GEM-400-107-1SL	1 20 x mlml	4570
GEM-400-107-6SL	6 20 x ml	15980
Gentamicin Sulfate Solution (50mg/mL)		
GEM-400-108-1SL	1 20 x mlml	13320
GEM-400-108-6SL	6 20 x ml	57080
GM-CSF		
GEM-300-124P5SL	5 ug	27400
GEM-300-124P20SL	20 ug	63170
GEM-300-124P100SL	100 ug	147280
GEM-300-124P1SL	1 mg	1022940
GM-CSF		
GEM-300-308P5SL	5 ug	27400
GEM-300-308P20SL	20 ug	63170
GEM-300-308P100SL	100 ug	147280
GEM-300-308P1SL	1 mg	1022940
GM-CSF		
GEM-300-501P5SL	5 ug	27400
GEM-300-501P20SL	20 ug	63170
GEM-300-501P100SL	100 ug	147280
GEM-300-501P1SL	1 mg	1022940
GM-CSF		
GF-080-10SL	10 µg	23280
GF-080-50SL	50 µg	74190
GF-080-100SL	100 µg	111290
GF-080-1000SL	1000 µg	556850
Goat Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLH-707-JSL	20 ml	18570
Goat Plasma Lithium Heparin, female-only Pooled, not filtered		
PLHF-707-JSL	20 ml	18570
Goat Plasma Sodium Citrate Mixed Gender Pooled, not Filtered		
PSC-707-JSL	20 ml	18570
Goat Plasma Sodium Citrate, Pooled, Mixed Gender, not filtered		
PSC-707-FSL	500 ml	185730
Goat Serum Mixed Gender Pooled, not Filtered		
S-707-SSL	50 ml	18570
Goat Whole Blood EDTA K2 Female Individual Donor, not Filtered		
BK2IF-707-SSL	50 ml	18380
Goat Whole Blood EDTA K2 Male Individual Donor, not Filtered		
BK2IM-707-SSL	50 ml	18380

Catalog No.	Pack	Unit Price ₹
Goat Whole Blood EDTA K2 Mixed Gender, Pooled, not Filtered BK2-707-DSL	10 ml	15080
Grace's Insect Medium GEM-600-310-FSL	500 ml	5230
Growth Hormone GEM-300-131P100SL GEM-300-131P500SL GEM-300-131P5SL	100 ug 500 ug 5 mg	27400 63170 219200
Gro- / CXCL1 GEM-300-125P5SL GEM-300-125P25SL GEM-300-125P100SL GEM-300-125P1SL	5 ug 25 ug 100 ug 1 mg	27400 63170 147280 986400
Gro- / CXCL1 GEM-300-309P5SL GEM-300-309P20SL GEM-300-309P100SL GEM-300-309P1SL	5 ug 20 ug 100 ug 1 mg	27400 63170 147280 986400
Gro- / CXCL2 GEM-300-127P2SL GEM-300-127P10SL GEM-300-127P100SL GEM-300-127P1SL	2 ug 10 ug 100 ug 1 mg	27400 63170 147280 986400
Gro- / MIP-2- / CXCL3 GEM-300-126P2SL GEM-300-126P10SL GEM-300-126P100SL GEM-300-126P1SL	2 ug 10 ug 100 ug 1 mg	27400 63170 147280 986400
Guinea Pig (Hartley) Plasma EDTA K2 Mixed Gender, Pooled, not Filtered PK2HA-115-ESL PK2HA-115-DSL PK2HA-115-JSL PK2HA-115-SSL PK2HA-115-HSL PK2HA-115-FSL	5 ml 10 ml 20 ml 50 ml 100 ml 500 ml	8420 16860 33710 84280 168560 842820
Guinea Pig (Hartley) Plasma EDTA K3 Male only, Pooled, not Filtered PK3HAM-115-ZSL	2 ml	3810
Guinea Pig (Hartley) Plasma EDTA K3 Mixed Gender Pooled, not Filtered PK3HA-115-ZSL PK3HA-115-ESL PK3HA-115-DSL PK3HA-115-JSL PK3HA-115-SSL PK3HA-115-HSL PK3HA-115-FSL	2 ml 5 ml 10 ml 20 ml 50 ml 100 ml 500 ml	3370 8420 16860 33710 84280 168560 842820
Guinea Pig (Hartley) Plasma Lithium Heparin Male Pooled, not Filtered PLHHAM-115-JSL	20 ml	33710
Guinea Pig (Hartley) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered PLHHA-115-ESL PLHHA-115-DSL PLHHA-115-JSL PLHHA-115-SSL PLHHA-115-HSL PLHHA-115-FSL	5 ml 10 ml 20 ml 50 ml 100 ml 500 ml	8420 16860 33710 84280 168560 842820

Catalog No.	Pack	Unit Price ₹
Guinea Pig (Hartley) Serum Mixed Gender Pooled, not Filtered SHA-115-DSL SHA-115-JSL SHA-115-SSL SHA-115-HSL SHA-115-FSL	10 ml 20 ml 50 ml 100 ml 500 ml	16860 33710 84280 168560 842820
Guinea Pig Serum GEM-100-130-JSL GEM-100-130-HSL	20 ml 100 ml	25790 64470
HAMA Purified Antibody HAMA-PURSL	25 ml	573060
HAMA Purified Antibody, 1ml presented as 2 x 0.5ml HAM-001SL	1 unit	573060
Hams F12 with Glutamine MED-214SL	500 ml	1240
Hamster (Golden Syrian) Plasma EDTA K2 Mixed Gender Pooled, not Filtered PK2-113-DSL PK2-113-HSL	10 ml 100 ml	27870 278640
Hamster (Golden Syrian) Plasma EDTA K2 Female Individual Donor, not Filtered PK2IF-113-XSL	1 ml	5370
Hamster (Golden Syrian) Plasma EDTA K2 Female Pooled, not Filtered PK2F-113-SSL	50 ml	139320
Hamster (Golden Syrian) Plasma EDTA K2 Male Pooled, not Filtered PK2M-113-SSL	50 ml	139320
Hamster (Golden Syrian) Plasma Lithium Heparin Male Individual Donor, not Filtered PLHIM-113-XSL	1 ml	5230
Hamster (Golden Syrian) Plasma Lithium Heparin Male Pooled, not Filtered PLHM-113-DSL	10 ml	27870
Hamster (Golden Syrian) Serum Female Individual Donor, not Filtered SIF-113-XSL	1 ml	5230
Hamster (Golden Syrian) Serum Male Individual Donor, not Filtered SIM-113-XSL	1 ml	5230
Hamster Plasma Lithium Heparin Male Pooled not Filtered PLH-113-ESL	5 ml	13930
Hamster Plasma Lithium Heparin Mixed Gender Pooled, not Filtered PLH-113-DSL	10 ml	27870
Hamster Serum Mixed Gender Pooled, not Filtered S-113-ZSL S-113-DSL	2 ml 10 ml	5580 27870
HBSS (Hanks' BSS) with Ca & Mg, with Phenol Red REA-202SL	500 ml	1500
HBSS (Hanks' BSS) with Ca & Mg, without Phenol Red REA-203SL	500 ml	1250

Catalog No.	Pack	Unit Price ₹
HEPES Buf, 1M Stk in normal saline REA-117SL	100 ml	5270
hIFN- GF-0060-10SL GF-0060-50SL GF-0060-100SL GF-0060-1000SL	10 µg 50 µg 100 µg 1000 µg	11050 28410 41440 178380
hIL-2 GF-0030-10SL GF-0030-50SL GF-0030-100SL GF-0030-1000SL	EA 50 µg 100 µg 1000 µg	15790 30780 37100 126680
hIL-4 GF-0050-10SL GF-0050-50SL GF-0050-100SL GF-0050-1000SL	10 µg 50 µg 100 µg 1000 µg	20520 88400 136150 692610
hIL-6 GF-0020-10SL GF-0020-50SL GF-0020-100SL	EA EA EA	29600 74980 134180
Human Cerebrospinal Fluid Female Individual Donor, not Filtered CSFIF-123-XSL	1 ml	6260
Human Cerebrospinal Fluid Male Individual Donor, not Filtered CSFIM-123-XSL	1 ml	6260
Human Cerebrospinal Fluid Mixed Gender Pooled, not Filtered CSF-123-XSL CSF-123-ZSL CSF-123-ESL CSF-123-DSL CSF-123-KSL CSF-123-JSL CSF-123-MSL CSF-123-TSL CSF-123-SSL CSF-123-HSL	1 ml 2 ml 5 ml 10 ml 15 ml 20 ml 25 ml 30 ml 50 ml 100 ml	5370 10750 26860 53730 80580 107450 134310 161170 268620 537240
Human Plasma EDTA K2 Female Individual Donor, Heavy Charcoal Stripped, 0.2 micron Filtered PK2IF-123-DHCSL	10 ml	9510
Human Plasma EDTA K2 Female Individual Donor, not Filtered PK2IF-123-ESL PK2IF-123-XSL PK2IF-123-DSL PK2IF-123-JSL PK2IF-123-SSL PK2IF-123-HSL	5 ml 1 ml 10 ml 20 ml 50 ml 100 ml	1750 1690 2220 4440 11110 22200
Human Plasma EDTA K2 Female Pooled, not Filtered PK2F-123-ESL PK2F-123-DSL PK2F-123-HSL	5 ml 10 ml 100 ml	1750 1630 15970
Human Plasma EDTA K2 Male Individual Donor, Heavy Charcoal Stripped, 0.2 micron Filtered PK2IM-123-DHCSL	10 ml	9510

Catalog No.	Pack	Unit Price ₹
Human Plasma EDTA K2 Male Individual Donor, not Filtered		
PK2IM-123-ESL	5 ml	1750
PK2IM-123-XSL	1 ml	1690
PK2IM-123-DSL	10 ml	2220
PK2IM-123-JSL	20 ml	4440
PK2IM-123-SSL	50 ml	11110
PK2IM-123-HSL	100 ml	22200
Human Plasma EDTA K2 Male Pooled, not Filtered		
PK2M-123-DSL	10 ml	1800
PK2M-123-ESL	5 ml	1750
PK2M-123-JSL	20 ml	3580
PK2M-123-HSL	100 ml	15970
Human Plasma EDTA K2 Mixed Gender Pooled, Heavy Charcoal Stripped, 0.2 micron Filtered		
PK2-123-DHCSL	10 ml	5910
PK2-123-HHCSL	100 ml	59100
Human Plasma EDTA K2 Mixed Gender Pooled, Medium Charcoal Stripped, 0.2 micron Filtered		
PK2-123-HMCSL	100 ml	46560
Human Plasma EDTA K2 Mixed Gender, Pooled, not Filtered		
PK2-123-XSL	1 ml	1690
PK2-123-ZSL	2 ml	1710
PK2-123-ESL	5 ml	1750
PK2-123-DSL	10 ml	1800
PK2-123-JSL	20 ml	3200
PK2-123-SSL	50 ml	7980
PK2-123-HSL	100 ml	15970
PK2-123-FSL	500 ml	79840
PK2-123-LSL	1000 ml	159690
Human Plasma EDTA K2 Sodium Fluoride Mixed Gender Pooled, not Filtered		
PK2SF-123-HSL	100 ml	17890
Human Plasma EDTA K3 Female Individual Donor, not Filtered		
PK3IF-123-ESL	5 ml	1750
PK3IF-123-XSL	1 ml	1690
PK3IF-123-DSL	10 ml	2220
PK3IF-123-JSL	20 ml	4440
PK3IF-123-SSL	50 ml	11110
PK3IF-123-HSL	100 ml	22200
Human Plasma EDTA K3 Female Pooled, not Filtered		
PK3F-123-ESL	5 ml	810
PK3F-123-DSL	10 ml	1740
PK3F-123-JSL	20 ml	3200
PK3F-123-SSL	50 ml	7980
PK3F-123-HSL	100 ml	15970
PK3F-123-FSL	500 ml	79840
Human Plasma EDTA K3 Male Individual Donor, not Filtered		
PK3IM-123-ASL	0.5 ml	1670
PK3IM-123-ESL	5 ml	1750
PK3IM-123-XSL	1 ml	1690
PK3IM-123-DSL	10 ml	2220
PK3IM-123-JSL	20 ml	4440
PK3IM-123-SSL	50 ml	11110
PK3IM-123-HSL	100 ml	22200

Catalog No.	Pack	Unit Price ₹
Human Plasma EDTA K3 Male Pooled, not Filtered		
PK3M-123-DSL	10 ml	1800
PK3M-123-ESL	5 ml	1750
PK3M-123-JSL	20 ml	3200
PK3M-123-SSL	50 ml	7980
PK3M-123-HSL	100 ml	15970
Human Plasma EDTA K3 Mixed Gender Pooled, Heavy Charcoal Stripped		
PK3-123-DHCSL	10 ml	1790
PK3-123-HHCSL	100 ml	59100
Human Plasma EDTA K3 Mixed Gender Pooled, Medium Charcoal Stripped		
PK3-123-SMCSL	50 ml	23280
PK3-123-HMCSL	100 ml	46560
Human Plasma EDTA K3 Mixed Gender Pooled, not Filtered		
PK3-123-XSL	1 ml	1690
PK3-123-ZSL	2 ml	1710
PK3-123-ESL	5 ml	1750
PK3-123-DSL	10 ml	1800
PK3-123-JSL	20 ml	3200
PK3-123-TSL	30 ml	4800
PK3-123-SSL	50 ml	7980
PK3-123-HSL	100 ml	15970
PK3-123-QSL	250 ml	39930
PK3-123-FSL	500 ml	79840
PK3-123-LSL	1000 ml	159690
Human Plasma EDTA K3 Sodium Fluoride Mixed Gender Pooled, not Filtered		
PK3SF-123-FSL	500 ml	111030
Human Plasma Lithium Heparin Female Individual Donor, not Filtered		
PLHIF-123-XSL	1 ml	1690
PLHIF-123-ZSL	2 ml	1710
PLHIF-123-ESL	5 ml	1750
PLHIF-123-DSL	10 ml	2220
PLHIF-123-JSL	20 ml	4440
PLHIF-123-SSL	50 ml	11110
PLHIF-123-HSL	100 ml	22200
Human Plasma Lithium Heparin Female Pooled, not Filtered		
PLHF-123-ESL	5 ml	1740
PLHF-123-DSL	10 ml	2160
PLHF-123-JSL	20 ml	4310
PLHF-123-SSL	50 ml	10800
PLHF-123-HSL	100 ml	21590
PLHF-123-FSL	500 ml	107970
Human Plasma Lithium Heparin Male Individual Donor, not Filtered		
PLHIM-123-ASL	0.5 ml	1670
PLHIM-123-ESL	5 ml	1750
PLHIM-123-XSL	1 ml	1690
PLHIM-123-ZSL	2 ml	1710
PLHIM-123-DSL	10 ml	2220
PLHIM-123-JSL	20 ml	4440
PLHIM-123-SSL	50 ml	11110
PLHIM-123-HSL	100 ml	22200

Catalog No.	Pack	Unit Price ₹
Human Plasma Lithium Heparin Male Pooled, not Filtered		
PLHM-123-XSL	1 ml	1690
PLHM-123-ESL	5 ml	1750
PLHM-123-DSL	10 ml	2160
PLHM-123-JSL	20 ml	4310
PLHM-123-SSL	50 ml	5800
PLHM-123-HSL	100 ml	21590
PLHM-123-FSL	500 ml	107970
Human Plasma Lithium Heparin Mixed Gender Pooled, Medium Charcoal Stripped		
PLH-123-EMCSL	5 ml	2440
Human Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLH-123-XSL	1 ml	1690
PLH-123-ZSL	2 ml	1710
PLH-123-ESL	5 ml	1750
PLH-123-DSL	10 ml	1800
PLH-123-JSL	20 ml	3200
PLH-123-SSL	50 ml	7980
PLH-123-HSL	100 ml	15970
PLH-123-FSL	500 ml	79840
Human Plasma Lithium Heparin Platelet Poor Human Plasma Potassium Oxalate Sodium Fluoride Mixed Gender Pooled, not Filtered		
PPOSF-123-DSL	10 ml	1690
PPOSF-123-SSL	50 ml	7980
PPOSF-123-HSL	100 ml	15970
Human Plasma Sodium EDTA Female Individual Donor, not Filtered		
PSEIF-123-ZSL	2 ml	1740
PSEIF-123-JSL	20 ml	4440
PSEIF-123-HSL	200 ml	44410
Human Plasma Sodium EDTA Male Individual Donor, not Filtered		
PSEM-123-ESL	5 ml	1750
PSEIM-123-ESL	5 ml	1750
PSEIM-123-JSL	20 ml	4440
PSEIM-123-HSL	100 ml	22200
PSEIM-123-PSL	200 ml	44410
Human Plasma Sodium EDTA Male Pooled, not Filtered		
PSEM-123-SSL	50 ml	10800
Human Plasma Sodium EDTA Mixed Gender Pooled, not Filtered		
PSE-123-ESL	5 ml	1750
PSE-123-DSL	10 ml	1800
PSE-123-JSL	20 ml	3200
PSE-123-HSL	100 ml	15970
PSE-123-FSL	500 ml	79840
Human Plasma Sodium EDTA Sodium Fluoride Mixed Gender Pooled, not Filtered		
PSESF-123-DSL	10 ml	1690
PSESF-123-PSL	200 ml	31940
PSESF-123-FSL	500 ml	79840
Human Plasma Sodium Heparin Female Individual Donor, not Filtered		
PSHIF-123-XSL	1 ml	1740
PSHIF-123-JSL	20 ml	4440

Catalog No.	Pack	Unit Price ₹
Human Plasma Sodium Heparin Male Individual Donor, not Filtered		
PSHIM-123-XSL	1 ml	1690
PSHIM-123-ZSL	2 ml	1710
PSHIM-123-DSL	10 ml	2220
PSHIM-123-JSL	20 ml	4440
PSHIM-123-SSL	50 ml	11110
PSHIM-123-HSL	100 ml	22200
Human Plasma Sodium Heparin Mixed Gender Pooled, not Filtered		
PSH-123-XSL	1 ml	1690
PSH-123-ZSL	2 ml	1710
PSH-123-ESL	5 ml	1750
PSH-123-DSL	10 ml	1800
PSH-123-JSL	20 ml	3200
PSH-123-SSL	50 ml	7980
PSH-123-HSL	100 ml	15970
PSH-123-FSL	500 ml	79840
Human Serum AB, Off the Clot U.S. Origin Male only		
GEM-100-318-HSL	100 ml	48710
Human Serum Albumin		
GEM-800-125-P5SL	5 g	33090
GEM-800-125-P25SL	25 g	106230
Human Serum Albumin Fatty Acid Free		
GEM-800-107-PSL	5 g	55390
Human Serum Albumin Soln (20%)		
GEM-800-121-SSL	50 ml	15680
Human Serum Albumin Soln (25%)		
GEM-800-120-SSL	50 ml	18470
Human Serum Albumin--Low Endotoxin		
GEM-800-126-P5SL	5 g	38310
Human Serum Female Individual Donor, Heavy Charcoal Stripped		
SIF-123-DHCSL	10 ml	9510
SIF-123-JHCSL	20 ml	13170
Human Serum Female Individual Donor, Medium Charcoal Stripped		
SIF-123-DMCSL	10 ml	4870
SIF-123-JMCSL	20 ml	10430
Human Serum Female Individual, Heavy Charcoal Stripped		
SIF-123-HHCSL	100 ml	59100
Human Serum Female Individual, Medium Charcoal Stripped		
SIF-123-HMCSL	100 ml	46560
Human Serum Female Individual, not Filtered		
SIF-123-XSL	1 ml	1690
SIF-123-ZSL	2 ml	1710
SIF-123-ESL	5 ml	1750
SIF-123-DSL	10 ml	2330
SIF-123-JSL	20 ml	4440
SIF-123-SSL	50 ml	11110
SIF-123-HSL	100 ml	22200
Human Serum Female Pooled, Medium Charcoal Stripped		
SF-123-FMCSL	500 ml	232800
Human Serum Female Pooled, Medium Charcoal Stripped		
SF-123-SMCSL	50 ml	23280

Catalog No.	Pack	Unit Price ₹
Human Serum Female Pooled, not Filtered		
SF-123-ESL	5 ml	1750
SF-123-DSL	10 ml	1800
SF-123-JSL	20 ml	3200
SF-123-SSL	50 ml	7980
SF-123-HSL	100 ml	15970
SF-123-FSL	500 ml	79840
Human Serum Male Individual Donor, Heavy Charcoal Stripped		
SIM-123-DHCSL	10 ml	9510
SIM-123-JHCSL	20 ml	13170
Human Serum Male Individual Donor, Medium Charcoal Stripped		
SIM-123-DMCSL	10 ml	9510
SIM-123-JMCSL	20 ml	10430
Human Serum Male Individual Donor, not Filtered		
SIM-123-ASL	0.5 ml	1670
SIM-123-XSL	1 ml	1690
SIM-123-ZSL	2 ml	1710
SIM-123-ESL	5 ml	1750
SIM-123-DSL	10 ml	2220
SIM-123-JSL	20 ml	4440
SIM-123-SSL	50 ml	11110
SIM-123-HSL	100 ml	22200
Human Serum Male Pooled, Medium Charcoal Stripped		
SM-123-HMCSL	100 ml	46560
Human Serum Male Pooled, not Filtered		
SM-123-XSL	1 ml	1690
SM-123-ESL	5 ml	1750
SM-123-DSL	10 ml	1800
SM-123-JSL	20 ml	3200
SM-123-SSL	50 ml	7980
SM-123-HSL	100 ml	15970
Human Serum Mixed Gender Pooled, Heavy Charcoal Stripped		
S-123-DHCSL	10 ml	6180
S-123-JHCSL	20 ml	11820
S-123-MHCSL	25 ml	14770
S-123-HHCSL	100 ml	59100
Human Serum Mixed Gender Pooled, Medium Charcoal Stripped		
S-123-DMCSL	10 ml	4870
S-123-JMCSL	20 ml	9310
S-123-HMCSL	100 ml	46560
S-123-FMCSL	500 ml	232800
Human Serum Mixed Gender Pooled, not Filtered		
S-123-XSL	1 ml	1690
S-123-ZSL	2 ml	1710
S-123-ESL	5 ml	1750
S-123-DSL	10 ml	1800
S-123-JSL	20 ml	3200
S-123-MSL	25 ml	4000
S-123-SSL	50 ml	7980
S-123-HSL	100 ml	15680
S-123-FSL	500 ml	79840
Human Stem Cell Factor		
GF-0850-10SL	EA	33550
GF-0850-100SL	EA	169700
GF-0850-1000SL	EA	828770

Catalog No.	Pack	Unit Price ₹
Human Urine Female Individual Donor, not Filtered		
UIF-123-ESL	5 ml	5280
UIF-123-JSL	20 ml	5820
UIF-123-KSL	15 ml	5570
UIF-123-SSL	50 ml	6160
UIF-123-XSL	1 ml	5080
Human Urine Female Pooled, not Filtered		
UF-123-ESL	5 ml	1750
UF-123-DSL	10 ml	1800
UF-123-JSL	20 ml	2250
UF-123-SSL	50 ml	5230
UF-123-HSL	100 ml	10450
Human Urine Male Individual Donor, not Filtered		
UIM-123-DSL	50 ml	6160
UIM-123-ESL	5 ml	5280
UIM-123-JSL	20 ml	5820
UIM-123-SSL	50 ml	6160
UIM-123-XSL	1 ml	5080
Human Urine Male Pooled, not Filtered		
UM-123-DSL	10 ml	1870
UM-123-ESL	5 ml	1790
UM-123-HSL	100 ml	10450
UM-123-JSL	20 ml	2250
Human Urine Mixed Gender Pooled, not Filtered		
U-123-DSL	10 ml	1800
U-123-ESL	5 ml	1750
U-123-XSL	1 ml	1690
U-123-JSL	20 ml	2250
U-123-SSL	50 ml	5230
U-123-HSL	100 ml	10450
U-123-FSL	500 ml	52250
Human Whole Blood EDTA K2 Female Individual Donor, not Filtered		
BK2IF-123-DSL	10 ml	11240
BK2IF-123-JSL	20 ml	14320
BK2IF-123-HSL	100 ml	71630
Human Whole Blood EDTA K2 Male Individual Donor, not Filtered		
BK2IM-123-DSL	10 ml	11240
BK2IM-123-JSL	20 ml	14320
BK2IM-123-SSL	50 ml	35820
BK2IM-123-HSL	100 ml	71630
Human Whole Blood EDTA K2 Male Pooled, not Filtered (based on 2 donors)		
BK2M-123-DSL	10 ml	22480
Human Whole Blood EDTA K2 Mixed Gender Pooled, not Filtered (based on 2 donors)		
BK2-123-ESL	5 ml	21100
BK2-123-DSL	10 ml	21690
BK2-123-JSL	20 ml	23270
BK2-123-SSL	50 ml	35820
BK2-123-HSL	100 ml	71630
BK2-123-FSL	500 ml	374590
Human Whole Blood EDTA K3 Male Individual Donor, not Filtered		
BK3IM-123-ESL	5 ml	10550
BK3IM-123-DSL	10 ml	10850
BK3IM-123-SSL	50 ml	35820

Catalog No.	Pack	Unit Price ₹
Human Whole Blood EDTA K3 Male Pooled, not Filtered (based on 2 donors)		
BK3M-123-DSL	10 ml	22480
BK3M-123-SSL	50 ml	35820
BK3M-123-HSL	100 ml	71630
Human Whole Blood EDTA K3 Mixed Gender Pooled, not Filtered (based on 2 donors)		
BK3-123-SSL	50 ml	22480
BK3-123-HSL	100 ml	71630
BK3-123-FSL	500 ml	358160
Human Whole Blood EDTA K3, Female Individual Donor, not Filtered		
BK3IF-123-DSL	10 ml	13320
Human Whole Blood Lithium Heparin Male Individual Donor, not Filtered		
BLHIM-123-DSL	10 ml	11240
Human Whole Blood Lithium Heparin Male Pooled not Filtered (based on 2 donors)		
BLHM-123-JSL	20 ml	22480
BLHM-123-SSL	50 ml	35820
BLHM-123-HSL	100 ml	71630
Human Whole Blood Lithium Heparin Mixed Gender Pooled, not Filtered (based on 2 donors)		
BLH-123-JSL	20 ml	22480
BLH-123-SSL	50 ml	35820
BLH-123-HSL	100 ml	71630
BLH-123-FSL	500 ml	358160
Human Whole Blood Sodium EDTA Male Individual Donor, not Filtered		
BSEIM-123-ESL	5 ml	11240
Human Whole Blood Sodium EDTA Male Pooled, not Filtered (based on 2 donors)		
BSEM-123-HSL	100 ml	71630
Human Whole Blood Sodium EDTA Mixed Gender Pooled, not Filtered (based on 2 donors)		
BSE-123-KSL	15 ml	10750
BSE-123-SSL	50 ml	35820
BSE-123-HSL	100 ml	71630
Human Whole Blood Sodium Heparin Female Individual Donor, not Filtered		
BSHIF-123-DSL	10 ml	11240
Human Whole Blood Sodium Heparin Male Individual Donor, not Filtered		
BSHIM-123-DSL	10 ml	11240
Human Whole Blood Sodium Heparin Mixed Gender Pooled, not Filtered (based on 2 donors)		
BSH-123-MSL	25 ml	22480
BSH-123-SSL	50 ml	35820
BSH-123-HSL	100 ml	71630
BSH-123-FSL	500 ml	358160
Hygromycin B Powder		
GEM-400-123-PSL	100 mg	5930
Hygromycin B Solution		
GEM-400-123SL	20 ml	45290
IFN-		
GEM-300-134P20SL	20 ug	27400
GEM-300-134P100SL	100 ug	54800
GEM-300-134P1SL	1 mg	365330

Catalog No.	Pack	Unit Price ₹
IFN-		
GEM-300-311P20SL	20 ug	27400
GEM-300-311P100SL	100 ug	63170
GEM-300-311P1SL	1 mg	365330
IFN-		
GEM-300-503P20SL	20 ug	27400
GEM-300-503P100SL	100 ug	63170
GEM-300-503P1SL	1 mg	365330
IGF-I		
GEM-300-132P20SL	20 ug	27400
GEM-300-132P100SL	100 ug	63170
GEM-300-132P1SL	1 mg	91330
IGF-I		
GEM-300-310P10SL	10 ug	27400
GEM-300-310P50SL	50 ug	63170
GEM-300-310P1SL	1 mg	438400
IGF-I		
GEM-300-502P10SL	10 ug	27400
GEM-300-502P50SL	50 ug	63170
GEM-300-502P1SL	1 mg	438400
IGF-II		
GEM-300-133P10SL	10 ug	27400
GEM-300-133P50SL	50 ug	53280
GEM-300-133P1SL	1 mg	401870
IL-1		
GEM-300-145P2SL	2 ug	27400
GEM-300-145P10SL	10 ug	63170
GEM-300-145P100SL	100 ug	147280
GEM-300-145P1SL	1 mg	1315210
IL-1		
GEM-300-312P2SL	2 ug	27400
GEM-300-312P10SL	10 ug	63170
GEM-300-312P100SL	100 ug	190660
GEM-300-312P1SL	1 mg	1753610
IL-1		
GEM-300-504P2SL	2 ug	27400
GEM-300-504P10SL	10 ug	63170
GEM-300-504P100SL	100 ug	190660
GEM-300-504P1SL	1 mg	1753610
IL-10		
GEM-300-135P2SL	2 ug	27400
GEM-300-135P10SL	10 ug	63170
GEM-300-135P100SL	100 ug	190660
GEM-300-135P1SL	1 mg	1753610
IL-11		
GEM-300-136P2SL	2 ug	27400
GEM-300-136P10SL	10 ug	63170
GEM-300-136P100SL	100 ug	190660
GEM-300-136P1SL	1 mg	1753610
IL-11		
GEM-300-313P2SL	2 ug	27400
GEM-300-313P10SL	10 ug	63170
GEM-300-313P100SL	100 ug	190660
GEM-300-313P1SL	1 mg	1753610
IL-12		
GEM-300-358P2SL	2 ug	34250
GEM-300-358P10SL	10 ug	79160
GEM-300-358P100SL	100 ug	589100
GEM-300-358P1SL	1 mg	3288010

Catalog No.	Pack	Unit Price ₹
IL-13		
GEM-300-137P2SL	2 ug	27400
GEM-300-137P10SL	10 ug	63170
GEM-300-137P100SL	100 ug	190660
GEM-300-137P1SL	1 mg	1753610
IL-13		
GEM-300-314P2SL	2 ug	27400
GEM-300-314P10SL	10 ug	63170
GEM-300-314P100SL	100 ug	190660
IL-15		
GEM-300-138P2SL	2 ug	27400
GEM-300-138P10SL	10 ug	63170
GEM-300-138P100SL	100 ug	147280
GEM-300-138P1SL	1 mg	1315210
IL-15		
GEM-300-315P2SL	2 ug	27400
GEM-300-315P10SL	10 ug	63170
GEM-300-315P100SL	100 ug	147280
GEM-300-315P1SL	1 mg	1315210
IL-16		
GEM-300-139P2SL	2 ug	27400
GEM-300-139P10SL	10 ug	63170
GEM-300-139P100SL	100 ug	190660
GEM-300-139P1SL	1 mg	1753610
IL-16		
GEM-300-316P2SL	2 ug	27400
GEM-300-316P10SL	10 ug	63170
GEM-300-316P100SL	100 ug	190660
GEM-300-316P1SL	1 mg	1680540
IL-17A		
GEM-300-140P5SL	5 ug	27400
GEM-300-140P25SL	25 ug	63170
GEM-300-140P100SL	100 ug	147280
GEM-300-140P1SL	1 mg	986400
IL-17A		
GEM-300-317P5SL	5 ug	27400
GEM-300-317P25SL	25 ug	63170
GEM-300-317P100SL	100 ug	147280
GEM-300-317P1SL	1 mg	986400
IL-17A		
GEM-300-505P5SL	5 ug	27400
GEM-300-505P25SL	25 ug	63170
GEM-300-505P100SL	100 ug	147280
GEM-300-505P1SL	1 mg	1388270
IL-17AF Heterodimer		
GEM-300-141P5SL	5 ug	27400
GEM-300-141P25SL	25 ug	63170
GEM-300-141P100SL	100 ug	190660
GEM-300-141P1SL	1 mg	1753610
IL-17AF Heterodimer		
GEM-300-318P5SL	5 ug	27400
GEM-300-318P25SL	25 ug	63170
GEM-300-318P100SL	100 ug	190660
GEM-300-318P1SL	1 mg	1753610
IL-17AF Heterodimer		
GEM-300-506P5SL	5 ug	27400
GEM-300-506P25SL	25 ug	63170
GEM-300-506P100SL	100 ug	190660
GEM-300-506P1SL	1 mg	1753610

Catalog No.	Pack	Unit Price ₹
IL-17E / IL-25		
GEM-300-142P5SL	5 ug	27400
GEM-300-142P25SL	25 ug	63170
GEM-300-142P100SL	100 ug	147280
GEM-300-142P1SL	1 mg	986400
IL-17E / IL-25		
GEM-300-319P5SL	5 ug	27400
GEM-300-319P25SL	25 ug	63170
GEM-300-319P100SL	100 ug	147280
GEM-300-319P1SL	1 mg	986400
IL-17E / IL-25		
GEM-300-507P2SL	2 ug	27400
GEM-300-507P10SL	10 ug	63170
GEM-300-507P100SL	100 ug	147280
GEM-300-507P1SL	1 mg	1315210
IL-17F		
GEM-300-143P5SL	5 ug	27400
GEM-300-143P25SL	25 ug	63170
GEM-300-143P100SL	100 ug	147280
GEM-300-143P1SL	1 mg	986400
IL-17F		
GEM-300-320P5SL	5 ug	27400
GEM-300-320P25SL	25 ug	63170
GEM-300-320P100SL	100 ug	147280
GEM-300-320P1SL	1 mg	986400
IL-17F		
GEM-300-508P5SL	5 ug	27400
GEM-300-508P25SL	25 ug	63170
GEM-300-508P100SL	100 ug	147280
GEM-300-508P1SL	1 mg	986400
IL-19		
GEM-300-144P2SL	2 ug	27400
GEM-300-144P10SL	10 ug	63170
GEM-300-144P100SL	100 ug	190660
GEM-300-144P1SL	1 mg	1753610
IL-1 / IL-1F1		
GEM-300-197P2SL	2 ug	27400
GEM-300-197P10SL	10 ug	63170
GEM-300-197P100SL	100 ug	190660
GEM-300-197P1SL	1 mg	1753610
IL-2		
GEM-300-146P10SL	10 ug	27400
GEM-300-146P50SL	50 ug	76110
GEM-300-146P1SL	1 mg	237470
IL-2		
GEM-300-321P5SL	5 ug	27400
GEM-300-321P20SL	20 ug	63170
GEM-300-321P100SL	100 ug	147280
GEM-300-321P1SL	1 mg	913340
IL-20		
GEM-300-147P2SL	2 ug	27400
GEM-300-147P10SL	10 ug	63170
GEM-300-147P100SL	100 ug	190660
GEM-300-147P1SL	1 mg	1753610
IL-21		
GEM-300-148P2SL	2 ug	27400
GEM-300-148P10SL	10 ug	63170
GEM-300-148P100SL	100 ug	190660
GEM-300-148P1SL	1 mg	1753610

Catalog No.	Pack	Unit Price ₹
IL-21		
GEM-300-322P2SL	2 ug	27400
GEM-300-322P10SL	10 ug	63170
GEM-300-322P100SL	100 ug	190660
GEM-300-322P1SL	1 mg	1753610
IL-22		
GEM-300-149P2SL	2 ug	27400
GEM-300-149P10SL	10 ug	63170
GEM-300-149P100SL	100 ug	190660
GEM-300-149P1SL	1 mg	1753610
IL-27 / IL-35 (EBI3)		
GEM-300-111P5SL	5 ug	27400
GEM-300-111P20SL	20 ug	63170
GEM-300-111P100SL	100 ug	190660
GEM-300-111P1SL	1 mg	1753610
IL-27 / IL-35 (EBI3)		
GEM-300-302P2SL	2 ug	27400
GEM-300-302P10SL	10 ug	63170
GEM-300-302P100SL	100 ug	190660
GEM-300-302P1SL	1 mg	1753610
IL-27 / p28		
GEM-300-323P2SL	2 ug	27400
GEM-300-323P10SL	10 ug	63170
GEM-300-323P100SL	100 ug	190660
GEM-300-323P1SL	1 mg	1753610
IL-29		
GEM-300-150P5SL	5 ug	27400
GEM-300-150P20SL	20 ug	63170
GEM-300-150P100SL	100 ug	147280
GEM-300-150P1SL	1 mg	986400
IL-3		
GEM-300-151P2SL	2 ug	27400
GEM-300-151P10SL	10 ug	63170
GEM-300-151P100SL	100 ug	147280
GEM-300-151P1SL	1 mg	986400
IL-3		
GEM-300-324P2SL	2 ug	27400
GEM-300-324P10SL	10 ug	60510
GEM-300-324P100SL	100 ug	190660
GEM-300-324P1SL	1 mg	1461340
IL-3		
GF-090-10SL	10 µg	23280
GF-090-50SL	50 µg	72220
GF-090-100SL	100 µg	109320
GF-090-1000SL	1000 µg	516990
IL-31		
GEM-300-359P2SL	2 ug	27400
GEM-300-359P10SL	10 ug	63170
GEM-300-359P100SL	100 ug	190660
GEM-300-359P1SL	1 mg	1753610
IL-32		
GEM-300-152P2SL	2 ug	27400
GEM-300-152P10SL	10 ug	63170
GEM-300-152P100SL	100 ug	190660
GEM-300-152P1SL	1 mg	1753610
IL-33		
GEM-300-153P2SL	2 ug	27400
GEM-300-153P10SL	10 ug	63170
GEM-300-153P100SL	100 ug	190660
GEM-300-153P1SL	1 mg	1753610

Catalog No.	Pack	Unit Price ₹
IL-4		
GEM-300-154P5SL	5 ug	27400
GEM-300-154P20SL	20 ug	63170
GEM-300-154P100SL	100 ug	289220
GEM-300-154P1SL	1 mg	1315210
IL-4		
GEM-300-325P2SL	2 ug	27400
GEM-300-325P10SL	10 ug	63170
GEM-300-325P100SL	100 ug	147280
GEM-300-325P1SL	1 mg	1242140
IL-5		
GEM-300-326P5SL	5 ug	27400
GEM-300-326P25SL	25 ug	63170
GEM-300-326P100SL	100 ug	147280
GEM-300-326P1SL	1 mg	986400
IL-6		
GEM-300-155P5SL	5 ug	27400
GEM-300-155P20SL	20 ug	63170
GEM-300-155P100SL	100 ug	147280
GEM-300-155P1SL	1 mg	986400
IL-6		
GEM-300-327P2SL	2 ug	27400
GEM-300-327P10SL	10 ug	63170
GEM-300-327P100SL	100 ug	190660
GEM-300-327P1SL	1 mg	1388270
IL-6		
GEM-300-509P2SL	2 ug	27400
GEM-300-509P10SL	10 ug	63170
GEM-300-509P100SL	100 ug	190660
GEM-300-509P1SL	1 mg	1753610
IL-7		
GEM-300-156P2SL	2 ug	27400
GEM-300-156P10SL	10 ug	63170
GEM-300-156P100SL	100 ug	302920
GEM-300-156P1SL	1 mg	1753610
IL-7		
GEM-300-328P2SL	2 ug	27400
GEM-300-328P10SL	10 ug	63170
GEM-300-328P100SL	100 ug	190660
GEM-300-328P1SL	1 mg	1753610
IL-9		
GEM-300-157P2SL	2 ug	27400
GEM-300-157P10SL	10 ug	63170
GEM-300-157P100SL	100 ug	190660
GEM-300-157P1SL	1 mg	1753610
IL-9		
GEM-300-329P2SL	2 ug	27400
GEM-300-329P10SL	10 ug	63170
GEM-300-329P100SL	100 ug	190660
GEM-300-329P1SL	1 mg	1753610
IMDM with 25mM HEPES W/O L-Glutamine		
MED-215SL	500 ml	1490
IMDM with 25mM HEPES with L-Glutamine		
MED-216SL	500 ml	1370
Insulin Powder Human Recombinant		
GEM-800-112-PSL	EA	66600
IP-10 / CXCL10		
GEM-300-158P5SL	5 ug	27400
GEM-300-158P25SL	25 ug	63170
GEM-300-158P100SL	100 ug	147280
GEM-300-158P1SL	1 mg	986400

Catalog No.	Pack	Unit Price ₹
IP-10 / CXCL10		
GEM-300-330P5SL	5 ug	27400
GEM-300-330P25SL	25 ug	63170
GEM-300-330P100SL	100 ug	147280
GEM-300-330P1SL	1 mg	986400
I-TAC / CXCL11		
GEM-300-159P5SL	5 ug	27400
GEM-300-159P20SL	20 ug	63170
GEM-300-159P100SL	100 ug	147280
GEM-300-159P1SL	1 mg	986400
Kanamycin Powder		
GEM-400-114-P1SL	1 g	3140
GEM-400-114-P5SL	5 g	8700
KGF		
GF-0250-10SL	10 µg	30780
GF-0250-50SL	50 µg	116820
GF-0250-100SL	100 µg	174440
GF-0250-1000SL	1000 µg	910860
L-Alanyl-L-Glu-Pen-Strep Solution (100x)		
GEM-400-110-HSL	100 ml	3830
L-Alanyl-L-Glutamine Powder (Stabilised)		
GEM-400-106-PJSL	25 g	10100
GEM-400-106-PHSL	100 g	36220
GEM-400-106-PKSL	1 kg	345520
L-Alanyl-L-Glutamine Solution (200 mM)		
GEM-400-106-HSL	100 ml	3490
Leptin		
GEM-300-160P200SL	200 ug	27400
GEM-300-160P1000SL	1000 ug	63170
GEM-300-160P5SL	5 mg	80300
Leptin		
GEM-300-331P200SL	200 ug	27400
GEM-300-331P1000SL	1000 ug	63170
GEM-300-331P5SL	5 mg	164400
Leptin		
GEM-300-510P200SL	200 ug	27400
GEM-300-510P1000SL	1000 ug	63170
GEM-300-510P5SL	5 mg	155270
L-Glutamine 200mM 100ml		
REA-104SL	100 ml	1440
LIF		
GF-0880-10SL	10 µg	18150
GF-0880-50SL	50 µg	48150
GF-0880-100SL	100 µg	89980
GF-0880-1000SL	1000 µg	497660
Lymphocyte Separation Medium		
REA-114SL	100 ml	4050
REA-115SL	500 ml	14160
MCP-1 / CCL2		
GEM-300-168P5SL	5 ug	27400
GEM-300-168P20SL	20 ug	63170
GEM-300-168P100SL	100 ug	147280
GEM-300-168P1SL	1 mg	986400
MCP-1 / CCL2		
GEM-300-336P2SL	2 ug	27400
GEM-300-336P10SL	10 ug	63170
GEM-300-336P100SL	100 ug	147280
GEM-300-336P1SL	1 mg	986400

Catalog No.	Pack	Unit Price ₹
MCP-1 / CCL2		
GEM-300-512P2SL	2 µg	27400
GEM-300-512P10SL	10 µg	63170
GEM-300-512P100SL	100 µg	147280
GEM-300-512P1SL	1 mg	986400
MCP-2 / CCL8		
GEM-300-169P2SL	2 ug	27400
GEM-300-169P10SL	10 ug	63170
GEM-300-169P100SL	100 ug	147280
GEM-300-169P1SL	1 mg	986400
MCP-2 / CCL8		
GEM-300-337P2SL	2 ug	27400
GEM-300-337P10SL	10 ug	63170
GEM-300-337P100SL	100 ug	147280
GEM-300-337P1SL	1 mg	986400
MCP-3 / CCL7		
GEM-300-170P2SL	2 ug	27400
GEM-300-170P10SL	10 ug	63170
GEM-300-170P100SL	100 ug	147280
GEM-300-170P1SL	1 mg	986400
MCP-3 / CCL7		
GEM-300-338P2SL	2 ug	27400
GEM-300-338P10SL	10 ug	63170
GEM-300-338P100SL	100 ug	147280
GEM-300-338P1SL	1 mg	986400
MCP-3 / CCL7		
GEM-300-519P2SL	2 µg	27400
GEM-300-519P10SL	10 µg	63170
GEM-300-519P100SL	100 µg	147280
GEM-300-519P1SL	1 mg	986400
MCP-4 / CCL13		
GEM-300-171P5SL	5 ug	27400
GEM-300-171P20SL	20 ug	63170
GEM-300-171P100SL	100 ug	147280
GEM-300-171P1SL	1 mg	986400
M-CSF		
GEM-300-161P2SL	2 ug	27400
GEM-300-161P10SL	10 ug	63170
GEM-300-161P100SL	100 ug	190660
GEM-300-161P1SL	1 mg	1753610
M-CSF		
GEM-300-332P2SL	2 ug	27400
GEM-300-332P10SL	10 ug	63170
GEM-300-332P100SL	100 ug	190660
GEM-300-332P1SL	1 mg	1753610
M-CSF		
GF-0220-10SL	10 µg	18150
GF-0220-50SL	50 µg	78930
GF-0220-100SL	100 µg	118000
GF-0220-1000SL	1000 µg	556850
MEM Alpha modification -with L-Glutamine with Ribonucleosides		
MED-225SL	500 ml	4010
MEM with Earles salts W/O Glutamine		
MED-227SL	500 ml	1160
MEM with Earles salts With Glutamine		
MED-228SL	500 ml	1160
mES Optimised medium for murine ES cells		
ECM0881DSL	100 ml	5420

Catalog No.	Pack	Unit Price ₹
Mesenchymal Stem Cell (MSC) Kit - Trial size containing basal medium ECM0887D (100ml) and supplement ECM0618B (10ml)		
ECM0888SSL	1 Kit	10920
Mesenchymal Stem Cell (MSC) Medium		
ECM0887LSL	500 ml	5250
Mesenchymal Stem Cell (MSC) Medium - Serum free		
ECM0889NSL	50 ml	21590
MIF		
GEM-300-167P5SL	5 ug	27400
GEM-300-167P25SL	25 ug	63170
GEM-300-167P100SL	100 ug	147280
GEM-300-167P1SL	1 mg	986400
Minipig (Gottingen) Plasma EDTA K2 Mixed Gender Pooled, not Filtered		
PK2G0-444-XSL	1 ml	2270
PK2G0-444-ZSL	2 ml	4530
PK2G0-444-ESL	5 ml	9850
PK2G0-444-DSL	10 ml	19700
PK2G0-444-JSL	20 ml	39390
PK2G0-444-SSL	50 ml	98490
PK2G0-444-HSL	100 ml	196980
PK2G0-444-FSL	500 ml	984930
Minipig (Gottingen) Plasma EDTA K2 Female Individual Donor, not Filtered		
PK2G0IF-444-ESL	5 ml	9850
PK2G0IF-444-DSL	10 ml	19700
Minipig (Gottingen) Plasma EDTA K2 Female Pooled, not Filtered		
PK2G0F-444-DSL	10 ml	19700
Minipig (Gottingen) Plasma EDTA K2 Male Individual Donor, not Filtered		
PK2G0IM-444-ESL	5 ml	9850
PK2G0IM-444-DSL	10 ml	19700
Minipig (Gottingen) Plasma EDTA K2 Male Pooled, not Filtered		
PK2G0M-444-DSL	10 ml	19700
Minipig (Gottingen) Plasma EDTA K2 Mixed Gender Pooled, not Filtered		
PKG0-444-FSL	500 ml	1030120
Minipig (Gottingen) Plasma EDTA K2 with Sodium Fluoride Mixed Gender Pooled, not Filtered		
PK2SFG0-444-SSL	50 ml	98490
Minipig (Gottingen) Plasma EDTA K3 Female Individual Donor, not Filtered		
PK3G0IF-444-DSL	10 ml	20600
Minipig (Gottingen) Plasma EDTA K3 Male Individual Donor, not Filtered		
PK3G0IM-444-ESL	5 ml	10310
PK3G0IM-444-DSL	10 ml	20600

Catalog No.	Pack	Unit Price ₹
Minipig (Gottingen) Plasma EDTA K3 Male Pooled, not Filtered PK3GOM-444-DSL	10 ml	20600
Minipig (Gottingen) Plasma EDTA K3 Mixed Gender Pooled, not Filtered PK3GO-444-XSL	1 ml	2060
PK3GO-444-ZSL	2 ml	4530
PK3GO-444-ESL	5 ml	10310
PK3GO-444-DSL	10 ml	20600
PK3GO-444-JSL	20 ml	41200
PK3GO-444-SSL	50 ml	103010
PK3GO-444-HSL	100 ml	206020
PK3GO-444-FSL	500 ml	1030120
Minipig (Gottingen) Plasma Lithium Heparin Female Individual Donor, not Filtered PLHGOIF-444-ESL	5 ml	10310
PLHGOIF-444-DSL	10 ml	20600
Minipig (Gottingen) Plasma Lithium Heparin Female Individual Donor, not Filtered PLHGOIF-444-ZSL	2 ml	4530
Minipig (Gottingen) Plasma Lithium Heparin Male Individual Donor, not Filtered PLHGOIM-444-ZSL	2 ml	4530
PLHGOIM-444-ESL	5 ml	10310
PLHGOIM-444-DSL	10 ml	20600
Minipig (Gottingen) Plasma Lithium Heparin Male Pooled, not Filtered PLHGOM-444-ZSL	2 ml	4530
PLHGOM-444-DSL	10 ml	20600
PLHGOM-444-JSL	20 ml	41200
PLHGOM-444-SSL	50 ml	103010
Minipig (Gottingen) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered PLHGO-444-XSL	1 ml	2270
PLHGO-444-ZSL	2 ml	4530
PLHGO-444-ESL	5 ml	10310
PLHGO-444-DSL	10 ml	20600
PLHGO-444-JSL	20 ml	41200
PLHGO-444-SSL	50 ml	103010
PLHGO-444-HSL	100 ml	206020
PLHGO-444-FSL	500 ml	1030120
Minipig (Gottingen) Plasma Lithium Heparin, Male Pooled, not Filtered PLHM-444-DSL	10 ml	20600
Minipig (Gottingen) Plasma Sodium EDTA Sodium Fluoride Mixed Gender Pooled, not Filtered PSESGO-444-DSL	10 ml	20600
Minipig (Gottingen) Plasma Sodium Heparin Male Individual Donor, not Filtered PSHGOIM-444-ZSL	2 ml	4530
Minipig (Gottingen) Plasma Sodium Heparin Male Pooled, not Filtered PSHGOM-444-HSL	100 ml	206020
Minipig (Gottingen) Plasma Sodium Heparin Mixed Gender Pooled, not Filtered PSHGO-444-XSL	1 ml	2270
PSHGO-444-ZSL	2 ml	4530
PSHGO-444-ESL	5 ml	10310
PSHGO-444-DSL	10 ml	20600
PSHGO-444-JSL	20 ml	41200
PSHGO-444-SSL	50 ml	103010
PSHGO-444-HSL	100 ml	206020
PSHGO-444-FSL	500 ml	1030120

Catalog No.	Pack	Unit Price ₹
Minipig (Gottingen) Serum Male Individual Donor, not Filtered SGOIM-444-ZSL	2 ml	4530
Minipig (Gottingen) Serum Mixed Gender Pooled, not Filtered SGO-444-XSL	1 ml	2270
SGO-444-ZSL	2 ml	4530
SGO-444-ESL	5 ml	10310
SGO-444-DSL	10 ml	20600
SGO-444-JSL	20 ml	41200
SGO-444-SSL	50 ml	103010
SGO-444-HSL	100 ml	206020
SGO-444-FSL	500 ml	1030120
Minipig (Gottingen) Whole Blood EDTA K2 Female Individual Donor, not Filtered BK2GOIF-444-DSL	10 ml	20600
Minipig (Gottingen) Whole Blood EDTA K2 Male Individual Donor, not Filtered BK2GOIM-444-DSL	10 ml	20600
Minipig (Gottingen) Whole Blood EDTA K2 Mixed Gender Pooled, not Filtered BK2GO-444-ESL	5 ml	16670
BK2GO-444-DSL	10 ml	33330
BK2GO-444-JSL	20 ml	66680
BK2GO-444-SSL	50 ml	166690
BK2GO-444-HSL	100 ml	333380
Minipig (Gottingen) Whole Blood EDTA K3 Mixed Gender Pooled, not Filtered BK3GO-444-DSL	10 ml	20600
Minipig (Gottingen) Whole Blood Lithium Heparin Mixed Gender, Pooled, not Filtered BLHGO-444-DSL	10 ml	20600
Minipig (Sinclair) Plasma EDTA K3 Mixed Gender Pooled, not Filtered PK3SN-444-DSL	10 ml	18730
Minipig (Sinclair) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered PLHSN-444-DSL	10 ml	18730
Minipig (Sinclair) Whole Blood EDTA K3 Mixed Gender Pooled, not Filtered BK3SN-444-DSL	10 ml	24740
Minipig (Yucatan) Plasma EDTA K3 Mixed Gender Pooled, not Filtered PK3YU-444-DSL	10 ml	18730
Minipig (Yucatan) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered PLHYU-444-DSL	10 ml	18730
MIP-1 / CCL3 GEM-300-162P5SL	5 ug	27400
GEM-300-162P20SL	20 ug	63170
GEM-300-162P100SL	100 ug	147280
GEM-300-162P1SL	1 mg	986400
MIP-1 / CCL3 GEM-300-333P2SL	2 ug	27400
GEM-300-333P10SL	10 ug	63170
GEM-300-333P100SL	100 ug	147280
GEM-300-333P1SL	1 mg	986400
MIP-1 / CCL3 GEM-300-511P5SL	5 ug	27400
GEM-300-511P20SL	20 ug	63170
GEM-300-511P100SL	100 ug	147280
GEM-300-511P1SL	1 mg	986400

Catalog No.	Pack	Unit Price ₹
MIP-1 / CCL4 GEM-300-163P2SL	2 ug	27400
GEM-300-163P10SL	10 ug	63170
GEM-300-163P100SL	100 ug	147280
GEM-300-163P1SL	1 mg	986400
MIP-1 / CCL4 GEM-300-334P2SL	2 ug	27400
GEM-300-334P10SL	10 ug	63170
GEM-300-334P100SL	100 ug	147280
GEM-300-334P1SL	1 mg	986400
MIP-3 / CCL20 GEM-300-164P5SL	5 ug	27400
GEM-300-164P20SL	20 ug	63170
GEM-300-164P100SL	100 ug	147280
GEM-300-164P1SL	1 mg	986400
MIP-3 / CCL20 GEM-300-355P5SL	5 ug	27400
GEM-300-355P20SL	20 ug	63170
GEM-300-355P100SL	100 ug	147280
GEM-300-355P1SL	1 mg	986400
MIP-3 / CCL19 GEM-300-165P5SL	5 ug	27400
GEM-300-165P20SL	20 ug	63170
GEM-300-165P100SL	100 ug	147280
GEM-300-165P1SL	1 mg	986400
MIP-3 / CCL19 GEM-300-335P5SL	5 ug	27400
GEM-300-335P20SL	20 ug	63170
GEM-300-335P100SL	100 ug	147280
GEM-300-335P1SL	1 mg	986400
MIP-4 / CCL18 GEM-300-166P2SL	2 ug	27400
GEM-300-166P10SL	10 ug	63170
GEM-300-166P100SL	100 ug	147280
GEM-300-166P1SL	1 mg	986400
Mitomycin C Powder GEM-400-134-P5SL	5 mg	31340
GEM-400-134-P10SL	10 mg	52250
mLIF GF-1140-10SL	10 µg	18150
GF-1140-50SL	50 µg	48150
GF-1140-100SL	100 µg	89980
GF-1140-1000SL	1000 µg	497660
mLIF Mouse Leukaemia Inhibitory Factor 10 ⁶ Units/ml GEM-400-495SL	1 unit	40060
ECM0800SSL	100 ul	17880
mLIF Mouse Leukemia Inhibitory Factor Medium 10 ⁷ Units/ml ECM0800ASL	1 ml	148810
Mouse (BALB/c) Plasma EDTA K2 Male only Pooled, not Filtered PK2BCM-808-ESL	5 ml	23070
PK2BCM-808-DSL	10 ml	46140
PK2BCM-808-JSL	20 ml	92260
Mouse (BALB/c) Plasma EDTA K2 Mixed Gender, Pooled, not Filtered PK2BC-808-ZSL	2 ml	9220
PK2BC-808-DSL	10 ml	46140
PK3BC-808-HSL	100 ml	461330

Catalog No.	Pack	Unit Price ₹
Mouse (BALB/c) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLHBC-808-ESL	5 ml	23070
PLHBC-808-DSL	10 ml	46140
Mouse (BALB/c) Plasma Lithium Heparin, Male Pooled, not Filtered		
PLHBCM-808-DSL	10 ml	46140
Mouse (BALB/c) Serum Female Individual Donor, not Filtered (up to 0.5ml)		
SBCIF-808-ASL	0.5 ml	2530
Mouse (BALB/c) Serum Female Pooled, not Filtered		
SBCF-808-DSL	10 ml	46140
SBCF-808-HSL	100 ml	461330
Mouse (BALB/c) Serum Male Individual Donor, not Filtered (up to 0.5ml)		
SBCIM-808-ASL	0.5 ml	2530
Mouse (BALB/c) Serum Male Pooled, not Filtered		
SBCM-808-DSL	10 ml	45280
SBCM-808-XSL	1 ml	22640
Mouse (BALB/c) Serum Mixed Gender Pooled, not Filtered		
SBC-808-ESL	5 ml	23070
SBC-808-DSL	10 ml	46140
SBC-808-JSL	20 ml	92260
SBC-808-SSL	50 ml	230670
SBC-808-HSL	100 ml	461330
Mouse (BALB/c) Whole Blood EDTA K2 Female Pooled, not Filtered		
BK2BCF-808-DSL	10 ml	44950
Mouse (BALB/c) Whole Blood EDTA K2 Male Pooled, not Filtered		
BK2BCM-808-ESL	5 ml	22480
BK2BCM-808-DSL	10 ml	44950
BK2BCM-808-JSL	20 ml	89900
Mouse (BALB/c) Whole Blood Sodium Heparin Female Pooled, not Filtered		
BSHBCF-808-DSL	10 ml	46140
Mouse (C57BL/6) Plasma EDTA K2 Female Pooled, not Filtered		
PK2BLF-808-XSL	1 ml	4480
PK2BLF-808-DSL	10 ml	44770
PK2BLF-808-HSL	100 ml	447700
Mouse (C57BL/6) Plasma EDTA K2 Male Individual Donor, not Filtered		
PK2BLIM-808-ASL	0.5 ml	2230
Mouse (C57BL/6) Plasma EDTA K2 Male Pooled, not Filtered		
PK2BLM-808-XSL	1 ml	4480
PK2BLM-808-DSL	10 ml	44770
Mouse (C57BL/6) Plasma EDTA K2 Mixed Gender Pooled, not Filtered		
PK2BL-808-ZSL	2 ml	8950
PK3BL-808-DSL	10 ml	43530
PK2BL-808-DSL	10 ml	44770
PK2BL-808-JSL	20 ml	89540
PK2BL-808-SSL	50 ml	223850

Catalog No.	Pack	Unit Price ₹
Mouse (C57BL/6) Plasma Lithium Heparin Male Pooled, not Filtered		
PLHBLM-808-DSL	10 ml	43530
PLHBLM-808-JSL	20 ml	87080
PLHBLM-808-SSL	50 ml	217690
Mouse (C57BL/6) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLHBL-808-XSL	1 ml	4360
PLHBL-808-DSL	10 ml	43530
Mouse (C57BL/6) Serum Female Individual Donor, not Filtered		
SBLIF-808-ASL	0.5 ml	2340
Mouse (C57BL/6) Serum Female Pooled, not Filtered		
SBLF-808-DSL	10 ml	43530
Mouse (C57BL/6) Serum Male Individual Donor, not Filtered		
SBLIM-808-ASL	0.5 ml	2340
Mouse (C57BL/6) Serum Male Pooled, not Filtered		
SBLM-808-DSL	10 ml	43530
Mouse (C57BL/6) Serum Mixed Gender Pooled, not Filtered		
SBL-808-ESL	5 ml	21770
SBL-808-DSL	10 ml	43530
SBL-808-MSL	25 ml	108840
SBL-808-SSL	50 ml	217690
Mouse (C57BL/6) Urine Male Pooled, not Filtered		
UBLM-808-KSL	15 ml	67150
UBLM-808-MSL	25 ml	111920
Mouse (C57BL/6) Urine Mixed Gender Pooled, not Filtered		
UBL-808-MSL	25 ml	111920
Mouse (C57BL/6) Whole Blood, EDTA K2 Mixed Gender Pooled, not Filtered		
BK2BL-808-XSL	1 ml	4690
Mouse (CD-1 Nude) Serum Mixed Gender Pooled, not Filtered		
SCDN-808-DSL	10 ml	11330
SCDN-808-JSL	20 ml	22660
Mouse (CD-1) Muscle Tissues		
PK2CDIF-808-ASL	0.5 ml	1860
Mouse (CD-1) Plasma EDTA K2 Female Pooled, not Filtered		
PK2CDF-808-XSL	1 ml	1800
PK2CDF-808-ZSL	2 ml	1970
PK2CDF-808-ESL	5 ml	4940
PK2CDF-808-DSL	10 ml	9860
PK2CDF-808-JSL	20 ml	19720
PK2CDF-808-SSL	50 ml	49320
PK2CDF-808-HSL	100 ml	98630
Mouse (CD-1) Plasma EDTA K2 Male Individual Donor, not Filtered		
PK2CDIM-808-ASL	0.5 ml	1800
Mouse (CD-1) Plasma EDTA K2 Male Pooled, not Filtered		
PK2CDM-808-XSL	1 ml	1800
PK2CDM-808-ZSL	2 ml	1970
PK2CDM-808-ESL	5 ml	4940
PK2CDM-808-DSL	10 ml	9860
PK2CDM-808-JSL	20 ml	19720
PK2CDM-808-SSL	50 ml	49320
PK2CDM-808-HSL	100 ml	98630

Catalog No.	Pack	Unit Price ₹
Mouse (CD-1) Plasma EDTA K2 Mixed Gender, Pooled, not Filtered		
PK2CD-808-XSL	1 ml	1800
PK2CD-808-ZSL	2 ml	1970
PK2CD-808-ESL	5 ml	4940
PK2CD-808-DSL	10 ml	9860
PK2CD-808-JSL	20 ml	19720
PK2CD-808-SSL	50 ml	49320
PK2CD-808-HSL	100 ml	98630
PK2CD-808-FSL	500 ml	493140
Mouse (CD-1) Plasma EDTA K2 with Aprotinin, Mixed Gender Pooled, not Filtered		
PK2CDA-808-ZSL	2 ml	1970
PK2CDA-808-DSL	10 ml	9430
PK2CDA-808-SSL	50 ml	49320
Mouse (CD-1) Plasma EDTA K3 Female Pooled, not Filtered		
PK3CDF-808-XSL	1 ml	1800
PK3CDF-808-ZSL	2 ml	1970
PK3CDF-808-ESL	5 ml	4940
PK3CDF-808-DSL	10 ml	9860
PK3CDF-808-JSL	20 ml	19720
PK3CDF-808-SSL	50 ml	49320
PK3CDF-808-HSL	100 ml	98630
Mouse (CD-1) Plasma EDTA K3 Male Pooled, not Filtered		
PK3CDM-808-XSL	1 ml	1800
PK3CDM-808-ESL	5 ml	4940
PK3CDM-808-DSL	10 ml	9860
PK3CDM-808-JSL	20 ml	19720
PK3CDM-808-SSL	50 ml	49320
PK3CDM-808-HSL	100 ml	98630
Mouse (CD-1) Plasma EDTA K3 Mixed Gender Pooled, not Filtered		
PK3CD-808-XSL	1 ml	1800
PK3CD-808-ZSL	2 ml	1970
PK3CD-808-ESL	5 ml	4940
PK3CD-808-DSL	10 ml	9860
PK3CD-808-JSL	20 ml	19720
PK3CD-808-SSL	50 ml	49320
PK3CD-808-HSL	100 ml	98630
PK3CD-808-FSL	500 ml	493140
Mouse (CD-1) Plasma EDTA K3 Sodium Fluoride Mixed Gender Pooled, not Filtered		
PK3SFCDF-808-DSL	10 ml	9860
Mouse (CD-1) Plasma Lithium Heparin Female Individual Donor, not Filtered		
PLHCDIF-808-ASL	0.5 ml	1990
Mouse (CD-1) Plasma Lithium Heparin Female Pooled, not Filtered		
PLHCDF-808-XSL	1 ml	1800
PLHCDF-808-ZSL	2 ml	1970
PLHCDF-808-ESL	5 ml	4940
PLHCDF-808-DSL	10 ml	9860
PLHCDF-808-JSL	20 ml	19720
PLHCDF-808-SSL	50 ml	49320
PLHCDF-808-HSL	100 ml	98630

Catalog No.	Pack	Unit Price ₹
Mouse (CD-1) Plasma Lithium Heparin Male Individual Donor, not Filtered		
PLHCDM-808-XSL	1 ml	1800
PLHCDM-808-ESL	5 ml	4940
PLHCDM-808-DSL	10 ml	9860
PLHCDM-808-JSL	20 ml	19720
PLHCDM-808-SSL	50 ml	49320
PLHCDM-808-HSL	100 ml	98630
Mouse (CD-1) Plasma Lithium Heparin Male Pooled, not Filtered		
PLHM-808-XSL	1 ml	1800
PLHM-808-DSL	10 ml	9860
Mouse (CD-1) Plasma Lithium Heparin Male Pooled, not Filtered		
PLHM-808-ZSL	2 ml	1970
Mouse (CD-1) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLHCD-808-XSL	1 ml	1800
PLHCD-808-ZSL	2 ml	1970
PLHCD-808-ESL	5 ml	4940
PLHCD-808-DSL	10 ml	9860
PLHCD-808-JSL	20 ml	19720
PLHCD-808-SSL	50 ml	49320
PLHCD-808-HSL	100 ml	98630
PLHCD-808-FSL	500 ml	493140
Mouse (CD-1) Plasma Potassium Oxalate Sodium Fluoride Male Pooled, not Filtered		
PPOSFCDM-808-DSL	10 ml	9860
Mouse (CD-1) Plasma Sodium EDTA Mixed Gender Pooled, not Filtered		
PSECD-808-ESL	5 ml	4940
PSECD-808-DSL	10 ml	9860
PSECD-808-SSL	50 ml	49320
PSECD-808-HSL	100 ml	98630
Mouse (CD-1) Plasma Sodium Heparin Female Individual Donor, not Filtered		
PSHCDIF-808-XSL	1 ml	1800
Mouse (CD-1) Plasma Sodium Heparin Female Pooled, not Filtered		
PSHCDIF-808-JSL	20 ml	19720
Mouse (CD-1) Plasma Sodium Heparin Male Individual Donor, not Filtered		
PSHCDIM-808-XSL	1 ml	1800
Mouse (CD-1) Plasma Sodium Heparin Male Pooled, not Filtered		
PSHCDM-808-HSL	100 ml	98630
Mouse (CD-1) Plasma Sodium Heparin Mixed Gender Pooled, not Filtered		
PSHCD-808-ZSL	2 ml	2200
PSHCD-808-XSL	1 ml	2180
PSHCD-808-ESL	5 ml	4940
PSHCD-808-DSL	10 ml	9860
PSHCD-808-JSL	20 ml	19720
PSHCD-808-SSL	50 ml	49320
PSHCD-808-HSL	100 ml	98630
PSHCD-808-FSL	500 ml	493140
Mouse (CD-1) Serum Female Individual Donor, not Filtered		
SCDIF-808-ASL	0.5 ml	1800
Mouse (CD-1) Serum Female Pooled, not Filtered		
SCDF-808-SSL	50 ml	49320
SCDF-808-HSL	100 ml	98630

Catalog No.	Pack	Unit Price ₹
Mouse (CD-1) Serum Male Individual Donor, not Filtered		
SCDIM-808-ASL	0.5 ml	1800
Mouse (CD-1) Serum Male Pooled, not Filtered		
SCDM-808-SSL	50 ml	49320
SCDM-808-HSL	100 ml	98630
Mouse (CD-1) Serum Mixed Gender Pooled, 0.2 micron Filtered		
SCD-808-JSSL	20 ml	22660
SCD-808-HSSL	100 ml	113290
Mouse (CD-1) Serum Mixed Gender Pooled, not Filtered		
SCD-808-XSL	1 ml	1800
SCD-808-ZSL	2 ml	1970
SCD-808-ESL	5 ml	4940
SCD-808-DSL	10 ml	9860
SCD-808-JSL	20 ml	19720
SCD-808-SSL	50 ml	49320
SCD-808-HSL	100 ml	98630
SCD-808-FSL	500 ml	493140
Mouse (CD-1) Whole Blood EDTA K2 Female Individual Donor, not Filtered		
BK2CDF-808-XSL	1 ml	1870
Mouse (CD-1) Whole Blood EDTA K2 Male Individual Donor, not Filtered		
BK2CDIM-808-XSL	1 ml	1870
Mouse (CD-1) Whole Blood EDTA K2 Male Pooled, not Filtered		
BK2CDM-808-DSL	10 ml	11910
Mouse (CD-1) Whole Blood EDTA K2 Mixed Gender Pooled, not Filtered		
BK2CD-808-ESL	5 ml	6410
BK2CD-808-DSL	10 ml	12810
BK2CDF-808-DSL	10 ml	12810
BK2CD-808-JSL	20 ml	25620
BK2CD-808-SSL	50 ml	64050
BK2CD-808-HSL	100 ml	128080
Mouse (CD-1) Whole Blood EDTA K3 Individual Donor, not Filtered		
BK3CDI-808-XSL	1 ml	1740
Mouse (CD-1) Whole Blood EDTA K3 Mixed Gender Pooled, not Filtered		
BK3CD-808-DSL	10 ml	11910
BK3CD-808-SSL	50 ml	59550
BK3CD-808-HSL	100 ml	119090
Mouse (CD-1) Whole Blood Lithium Heparin Male Pooled, not Filtered		
BLHCDM-808-DSL	10 ml	11910
BLHCDM-808-JSL	50 ml	59550
Mouse (CD-1) Whole Blood Lithium Heparin Mixed Gender Pooled, not Filtered		
BLHCD-808-ZSL	2 ml	2390
BLHCD-808-DSL	10 ml	11910
BLHCD-808-SSL	50 ml	59550
Mouse Serum		
GEM-100-113-HSL	100 ml	38060
Mouse Stem Cell Factor		
GF-170-10SL	EA	33550
GF-170-100SL	EA	169700
GF-170-1000SL	EA	828770

Catalog No.	Pack	Unit Price ₹
Myostatin		
GEM-300-172P2SL	2 ug	27400
GEM-300-172P10SL	10 ug	63170
GEM-300-172P100SL	100 ug	190660
GEM-300-172P1SL	1 mg	1753610
Myostatin Propeptide		
GEM-300-173P5SL	5 ug	27400
GEM-300-173P25SL	25 ug	63170
GEM-300-173P100SL	100 ug	190660
GEM-300-173P1SL	1 mg	1753610
N Optimised Medium for the Culture of all Neuronal Precursor Cells		
ECM0883LSL	500 ml	11850
N2 Neuro Supplement		
GEM-400-163SL	5 ml	8360
Neomycin Sulphate Powder		
GEM-400-121-P25SL	25 g	8700
GEM-400-121-P100SL	100 mg	24380
Neuroplex Neuronal Medium		
GEM-600-300-FSL	500 ml	7660
NeuroPlex™ LO Neuronal Medium		
GEM-600-301-FSL	500 ml	7660
NGF-		
GEM-300-174P5SL	5 ug	27400
GEM-300-174P20SL	20 ug	63170
GEM-300-174P100SL	100 ug	147280
GEM-300-174P1SL	1 mg	986400
NGF-		
GEM-300-339P5SL	5 ug	27400
GEM-300-339P20SL	20 ug	63170
GEM-300-339P100SL	100 ug	147280
GEM-300-339P1SL	1 mg	986400
No Worries NZ/AU Origin Foetal Bovine serum		
GEM-100-700-FSL	500 ml	151840
Normal Human Serum		
GEM-100-110-HSL	100 ml	21690
North Atlantic Salmon Red Blood Cells in Alsevers (5ml whole blood, 5ml Alsevers) Pooled NT-3		
GEM-300-175P2SL	2 ug	27400
GEM-300-175P10SL	10 ug	63170
GEM-300-175P100SL	100 ug	190660
GEM-300-175P1SL	1 mg	1753610
NT-3		
GEM-300-340P2SL	2 ug	27400
GEM-300-340P10SL	10 ug	63170
GEM-300-340P100SL	100 ug	190660
GEM-300-340P1SL	1 mg	1753610
Osteogenic Differentiation Kit - Trial size containing ECM0887D (100ml) and supplement ECM0624B (10ml)		
ECM0892SSL	1 Kit	14730
PDGF-AA		
GEM-300-176P2SL	2 ug	27400
GEM-300-176P10SL	10 ug	63170
GEM-300-176P100SL	100 ug	147280
GEM-300-176P1SL	1 mg	1278670

Catalog No.	Pack	Unit Price ₹
PDGF-AA		
GEM-300-341P2SL	2 ug	27400
GEM-300-341P10SL	10 ug	63170
GEM-300-341P100SL	100 ug	147280
GEM-300-341P1SL	1 mg	1278670
PDGF-AB		
GEM-300-177P2SL	2 ug	27400
GEM-300-177P10SL	10 ug	63170
GEM-300-177P100SL	100 ug	147280
GEM-300-177P1SL	1 mg	1278670
PDGF-BB		
GEM-300-178P2SL	2 ug	27400
GEM-300-178P10SL	10 ug	63170
GEM-300-178P100SL	100 ug	147280
GEM-300-178P1SL	1 mg	1278670
PDGF-BB		
GEM-300-342P2SL	2 ug	27400
GEM-300-342P10SL	10 ug	63170
GEM-300-342P100SL	100 ug	147280
GEM-300-342P1SL	1 mg	1278670
Pen/Strep/Fungizone 10K/10K/25ug, 100 ml		
REA-108SL	100 ml	4100
Penicillin G Powder		
GEM-400-109-P25SL	25 mu	4880
GEM-400-109-P100SL	100 mu	14630
Penicillin/Streptomycin 10,000u		
REA-112SL	100 ml	1440
Pen-Strep Solution		
GEM-400-109-HSL	100 ml	2090
Pig (Landrace) Plasma Lithium Heparin Mixed Gender Pooled, not filtered		
PLHLR-404-DSL	10 ml	18570
Pig (Porcine) Serum Mixed Gender Pooled, not Filtered		
S-404-SSL	50 ml	18570
S-404-LSL	1000 ml	371470
Pig (Yorkshire) Plasma EDTA K2 Male Pooled, not Filtered		
PK2YKM-404-JSL	20 ml	17760
Pig (Yorkshire) Plasma EDTA K2 Mixed Gender Pooled, not Filtered		
PK2YK-404-HSL	100 ml	35510
Pig (Yorkshire) Plasma EDTA K3 Mixed Gender Pooled, not Filtered		
PK3YK-404-SSL	50 ml	18570
PK3YK-404-HSL	100 ml	37140
PK3YK-404-FSL	500 ml	185730
Pig (Yorkshire) Plasma Lithium Heparin Individual Donor, not Filtered		
PLHYKI-404-XSL	1 ml	18570
Pig (Yorkshire) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLHYK-404-SSL	50 ml	18570
PLHYK-404-HSL	100 ml	37140
Pig (Yorkshire) Plasma Sodium Citrate Mixed Gender Pooled, not Filtered		
PSCYK-404-DSL	10 ml	18570

Catalog No.	Pack	Unit Price ₹
Pig (Yorkshire) Plasma Sodium EDTA Mixed Gender Pooled, not Filtered		
PSEYK-404-SSL	50 ml	18570
Pig (Yorkshire) Plasma Sodium EDTA Mixed Gender Pooled, not Filtered, Heat Inactivated		
PSEYK-404-SISL	50 ml	18570
Pig (Yorkshire) Red Blood Cells in Alsevers (25ml whole blood, 25ml Alsevers) Pooled Mixed Gender, not Filtered		
BASYK-404-SSL	50 ml	22640
Pig (Yorkshire) Red Blood Cells in Alsevers (5ml whole blood, 5ml Alsevers) Pooled Mixed Gender, not Filtered		
BASYK-404-DSL	10 ml	22640
Pig (Yorkshire) Serum Female Individual Donor, not Filtered		
SYKIF-404-JSL	20 ml	18570
Pig (Yorkshire) Serum Male Individual Donor, not Filtered		
SYKIM-404-JSL	20 ml	18570
Pig (Yorkshire) Serum Mixed Gender Pooled, not Filtered		
SYK-404-SSL	50 ml	18570
SYK-404-HSL	100 ml	37140
Pig (Yorkshire) Synovial Fluid Mixed Gender Pooled, not Filtered		
SYNYK-404-DSL	10 ml	18570
Pig (Yorkshire) Whole Blood EDTA K2 Female Pooled, not Filtered		
BK2YKF-404-DSL	10 ml	18570
Pig (Yorkshire) Whole Blood EDTA K2 Individual Donor, not Filtered		
BK2YKI-404-DSL	10 ml	18570
Pig (Yorkshire) Whole Blood EDTA K2 Male Individual Donor, not Filtered		
BK2YKIM-404-SSL	50 ml	18570
Pig (Yorkshire) Whole Blood EDTA K2 Male Pooled, not Filtered		
BK2YKM-404-SSL	50 ml	18570
Pig (Yorkshire) Whole Blood EDTA K2 Mixed Gender Pooled, not Filtered		
BK2YK-404-SSL	50 ml	18570
Pig Bronchial Lavage Mixed Gender Pooled, not Filtered		
BLAV-404-DSL	10 ml	18570
Pig Plasma EDTA K2 Mixed Gender Pooled, not Filtered		
PK2-404-DSL	10 ml	17760
Pig Plasma Lithium Heparin Female Individual Donor, Yorkshire, not Filtered		
PLHIF-404-ESL	10 ml	22640
Pig Plasma Lithium Heparin Male Individual Donor, Yorkshire, not Filtered		
PLHIM-404-ESL	10 ml	22640
Pig Plasma Sodium Citrate Mixed Gender Pooled, not Filtered		
PSC-404-DSL	10 ml	18570

Catalog No.	Pack	Unit Price ₹
Pig Plasma Sodium Citrate Platelet Rich Mixed Gender Pooled, not Filtered		
PSCPR-404-JSL	20 ml	18570
Pig Whole Blood Lithium Heparin Mixed Gender Pooled, not Filtered		
BLH-404-SSL	50 ml	15080
BLH-404-LSL	1000 ml	301540
Pig Whole Blood Sodium Citrate Mixed Gender Pooled, not Filtered		
BSC-404-SSL	50 ml	14420
BSC-404-LSL	1000 ml	288320
Pigeon Serum Mixed Gender Pooled, not Filtered		
S-668-ESL	1 ml	7490
PRIMOCELL Endothelial Medium		
ECM0150LSL	500 ml	9390
PRIMOCELL Epithelial Medium with L-Glutamine		
ECM0058LSL	500 ml	6140
PRIMOCELL Fibroblast Medium with L-Glutamine		
ECM0059LSL	500 ml	6140
PRIMOCELL Hela Medium with L-Glutamine		
ECM0055LSL	500 ml	6140
PRIMOCELL Hybridoma Medium		
ECM0052LSL	500 ml	12650
PRIMOCELL Macrophage Medium		
ECM0051LSL	500 ml	20220
PRIMOCELL Sf9-S2 Medium with L-Glutamine		
ECM0053LSL	500 ml	14450
PRIMOCELL Tumor Cells Medium with L-Glutamine		
ECM0057LSL	500 ml	6140
Procalcitonin		
GEM-300-179P2SL	2 ug	27400
GEM-300-179P10SL	10 ug	63170
GEM-300-179P100SL	100 ug	190660
GEM-300-179P1SL	1 mg	1753610
Prolactin		
GEM-300-202P10SL	10 ug	27400
GEM-300-202P50SL	50 ug	63170
GEM-300-202P1SL	1 mg	438400
Puromycin Powder		
GEM-400-128-PSL	100 mg	21590
Rabbit (New Zealand White) Plasma EDTA K2 Female Individual Donor, not Filtered		
PK2NZIF-505-ZSL	2 ml	1740
PK2NZIF-505-ESL	5 ml	2790
PK2NZIF-505-DSL	10 ml	5580
Rabbit (New Zealand White) Plasma EDTA K2 Female Pooled, not Filtered		
PK2NZF-505-ZSL	2 ml	1740
PK2NZF-505-ESL	5 ml	2440
PK2NZF-505-DSL	10 ml	4880
PK2NZF-505-JSL	20 ml	9750
PK2NZF-505-SSL	50 ml	24380
PK2NZF-505-HSL	100 ml	48760
Rabbit (New Zealand White) Plasma EDTA K2 Male Individual Donor, not Filtered		
PK2NZIM-505-ZSL	2 ml	1740
PK2NZIM-505-DSL	10 ml	5580

Catalog No.	Pack	Unit Price ₹
Rabbit (New Zealand White) Plasma EDTA K2 Male Pooled, not Filtered		
PK2NZM-505-ZSL	2 ml	1740
PK2NZM-505-ESL	5 ml	2790
PK2NZM-505-DSL	10 ml	4880
PK2NZM-505-JSL	20 ml	9750
Rabbit (New Zealand White) Plasma EDTA K2 Mixed Gender Pooled, not Filtered		
PK2NZ-505-ZSL	2 ml	1740
PK2NZ-505-ESL	5 ml	2440
PK2NZ-505-DSL	10 ml	4880
PK2NZ-505-JSL	20 ml	9750
PK2NZ-505-SSL	50 ml	24380
PK2NZ-505-HSL	100 ml	48760
PK2NZ-505-FSL	500 ml	243810
Rabbit (New Zealand White) Plasma EDTA K3 Female Pooled, not Filtered		
PK3F-505-DSL	10 ml	4880
Rabbit (New Zealand White) Plasma EDTA K3 Mixed Gender Pooled, not Filtered		
PK3NZ-505-ZSL	2 ml	1740
PK3NZ-505-ESL	5 ml	2440
PK3NZ-505-DSL	10 ml	4880
PK3NZ-505-JSL	20 ml	9750
PK3NZ-505-SSL	50 ml	24380
PK3NZ-505-HSL	100 ml	48760
PK3NZ-505-FSL	500 ml	243810
Rabbit (New Zealand White) Plasma Lithium Heparin Female Individual Donor, not Filtered		
PLHNZIF-505-ESL	5 ml	2790
Rabbit (New Zealand White) Plasma Lithium Heparin Female Pooled, not Filtered		
PLHNZF-505-DSL	10 ml	4880
PLHNZF-505-JSL	20 ml	9750
Rabbit (New Zealand White) Plasma Lithium Heparin Male Pooled, not Filtered		
PLHM-505-DSL	10 ml	4880
Rabbit (New Zealand White) Plasma Lithium Heparin Male Pooled, not Filtered		
PLHNZM-505-ZSL	2 ml	1740
PLHNZM-505-DSL	10 ml	4880
PLHNZM-505-JSL	20 ml	9750
PLHNZM-505-SSL	50 ml	24380
PLHNZM-505-HSL	100 ml	48760
Rabbit (New Zealand White) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLHNZ-505-ZSL	2 ml	1740
PLHNZ-505-ESL	5 ml	3410
PLHNZ-505-DSL	10 ml	6830
PLHNZ-505-JSL	20 ml	9750
PLHNZ-505-SSL	50 ml	24380
PLHNZ-505-HSL	100 ml	48760
PLHNZ-505-FSL	500 ml	341330
Rabbit (New Zealand White) Plasma Potassium Oxalate Sodium Fluoride Female Pooled, not Filtered		
PPOSFNF-505-DSL	10 ml	5330
Rabbit (New Zealand White) Plasma Sodium EDTA Mixed Gender Pooled, not Filtered		
PSENZ-505-HSL	100 ml	48760

Catalog No.	Pack	Unit Price ₹
Rabbit (New Zealand White) Plasma Sodium Heparin Mixed Gender Pooled, not Filtered		
PSHNZ-505-ESL	5 ml	2440
PSHNZ-505-DSL	10 ml	4880
PSHNZ-505-JSL	20 ml	9750
PSHNZ-505-SSL	50 ml	24380
PSHNZ-505-HSL	100 ml	48760
PSHNZ-505-FSL	500 ml	243810
Rabbit (New Zealand White) Serum Female Individual Donor, not Filtered		
SNZIF-505-ZSL	2 ml	1740
SNZIF-505-ESL	5 ml	2790
SNZIF-505-DSL	10 ml	5580
SNZIF-505-KSL	15 ml	8370
SNZIF-505-TSL	30 ml	16730
Rabbit (New Zealand White) Serum Male Individual Donor, not Filtered		
SNZIM-505-ZSL	2 ml	1740
SNZIM-505-ESL	5 ml	2790
SNZIM-505-DSL	10 ml	5580
SNZIM-505-KSL	15 ml	8370
SNZIM-505-TSL	30 ml	16730
Rabbit (New Zealand White) Serum Mixed Gender Pooled, not Filtered		
SNZ-505-XSL	1 ml	1740
SNZ-505-ZSL	2 ml	2090
SNZ-505-ESL	5 ml	2440
SNZ-505-DSL	10 ml	4880
SNZ-505-JSL	20 ml	9750
SNZ-505-SSL	50 ml	24380
SNZ-505-HSL	100 ml	48760
SNZ-505-FSL	500 ml	243810
Rabbit (New Zealand White) Whole Blood EDTA K2 Female Individual Donor, not Filtered		
BK2NZIF-505-DSL	10 ml	12880
Rabbit (New Zealand White) Whole Blood EDTA K2 Female Pooled, not Filtered		
BK2NZF-505-ESL	5 ml	4870
BK2NZF-505-DSL	10 ml	9720
BK2NZF-505-SSL	50 ml	48620
Rabbit (New Zealand White) Whole Blood EDTA K2 Male Individual Donor, not Filtered		
BK2NZIM-505-DSL	10 ml	12880
Rabbit (New Zealand White) Whole Blood EDTA K2 Male Pooled, not Filtered		
BK2NZM-505-DSL	10 ml	9720
Rabbit (New Zealand White) Whole Blood EDTA K2 Mixed Gender Pooled, not Filtered		
BK2NZ-505-DSL	10 ml	9720
BK2NZ-505-JSL	20 ml	19450
BK2NZ-505-SSL	50 ml	48620
BK2NZ-505-HSL	100 ml	97260
Rabbit (New Zealand White) Whole Blood EDTA K3 Individual Donor, not Filtered		
BK3NZI-505-DSL	10 ml	12880
Rabbit (New Zealand White) Whole Blood EDTA K3 Male Pooled not Filtered		
BK3M-505-DSL	10 ml	9720
Rabbit (New Zealand White) Whole Blood Lithium Heparin Male Pooled, not Filtered		
BLHNZM-505-DSL	10 ml	9720

Catalog No.	Pack	Unit Price ₹
Rabbit (New Zealand White) Whole Blood Lithium Heparin Mixed Gender Pooled, not Filtered		
BLHNZ-505-DSL	20 ml	19440
Rabbit (New Zealand White) Whole Blood Lithium Heparin Mixed Gender Pooled, not Filtered		
BLHNZ-505-JSL	20 ml	19440
Rabbit (New Zealand White) Whole Blood Mixed Gender Pooled, not Filtered		
BK3NZ-505-DSL	10 ml	9720
BK3NZ-505-SSL	50 ml	48600
Rabbit Plasma EDTA K3 Mixed Breed Mixed Gender Pooled, not Filtered		
PK3-505-HSL	100 ml	48760
Rabbit Plasma Lithium Heparin Mixed Breed Mixed Gender Pooled, not Filtered		
PLH-505-DSL	10 ml	4880
Rabbit Serum		
GEM-100-116-FSL	500 ml	38660
RANK Ligand		
GEM-300-183P2SL	2 ug	27400
GEM-300-183P10SL	10 ug	63170
GEM-300-183P100SL	100 ug	289220
GEM-300-183P1SL	1 mg	1753610
RANK Ligand		
GEM-300-346P2SL	2 ug	27400
GEM-300-346P10SL	10 ug	63170
GEM-300-346P100SL	100 ug	190660
GEM-300-346P1SL	1 mg	1753610
RANTES / CCL5		
GEM-300-180P5SL	5 ug	27400
GEM-300-180P20SL	20 ug	63170
GEM-300-180P100SL	100 ug	147280
GEM-300-180P1SL	1 mg	986400
RANTES / CCL5		
GEM-300-343P5SL	5 ug	27400
GEM-300-343P20SL	20 ug	63170
GEM-300-343P100SL	100 ug	147280
GEM-300-343P1SL	1 mg	986400
RANTES / CCL5		
GEM-300-513P5SL	5 µg	27400
GEM-300-513P20SL	20 µg	63170
GEM-300-513P100SL	100 µg	147280
GEM-300-513P1SL	1 mg	986400
Rapamycin Powder		
GEM-400-138-PSL	1 mg	9360
Rat (Sprague Dawley) Plasma EDTA K2 Female Individual Donor, not Filtered		
PK2SDIF-909-ZSL	2 ml	1740
Rat (Sprague Dawley) Plasma EDTA K2 Female Pooled, not Filtered		
PK2SDF-909-XSL	1 ml	1740
PK2SDF-909-ESL	5 ml	3610
PK2SDF-909-DSL	10 ml	7200
PK2SDF-909-JSL	25 ml	18020
PK2SDF-909-SSL	50 ml	36040
Rat (Sprague Dawley) Plasma EDTA K2 Male Individual Donor, not Filtered		
PK2SDIM-909-ZSL	2 ml	1740

Catalog No.	Pack	Unit Price ₹
Rat (Sprague Dawley) Plasma EDTA K2 Male Pooled, not Filtered		
PK2SDM-909-XSL	1 ml	1740
PK2SDM-909-ESL	5 ml	3610
PK2SDM-909-DSL	10 ml	7200
PK2SDM-909-JSL	20 ml	14420
PK2SDM-909-SSL	50 ml	36040
PK2SDM-909-HSL	100 ml	72080
Rat (Sprague Dawley) Plasma EDTA K2 Mixed Gender Pooled		
PK2SDS-909-ESL	5 ml	3610
Rat (Sprague Dawley) Plasma EDTA K2 Mixed Gender Pooled, not Filtered		
PK2SD-909-ZSL	2 ml	1740
PK2SD-909-ESL	5 ml	3610
PK2SD-909-DSL	10 ml	7200
PK2SD-909-JSL	20 ml	14420
PK2SD-909-SSL	50 ml	36040
PK2SD-909-HSL	100 ml	72080
PK2SD-909-FSL	500 ml	360390
Rat (Sprague Dawley) Plasma EDTA K2 Sodium Fluoride Male Pooled, not Filtered		
PK2SFSDM-909-ESL	5 ml	3610
Rat (Sprague Dawley) Plasma EDTA K2 Sodium Fluoride Mixed Gender Pooled, not Filtered		
PK2SFSD-909-ESL	5 ml	3610
PK2SFSD-909-DSL	10 ml	7200
Rat (Sprague Dawley) Plasma EDTA K2 with Aprotinin Mixed Gender Pooled, not Filtered		
PK2SDA-909-ZSL	2 ml	1900
PK2SDA-909-DSL	10 ml	9190
PK2SDA-909-SSL	50 ml	45930
Rat (Sprague Dawley) Plasma EDTA K3 Female Pooled, not Filtered		
PK3SDF-909-ZSL	2 ml	1740
PK3SDF-909-ESL	5 ml	3770
PK3SDF-909-DSL	10 ml	7540
PK3SDF-909-JSL	25 ml	18840
PK3SDF-909-SSL	50 ml	37690
PK3SDF-909-HSL	100 ml	75390
Rat (Sprague Dawley) Plasma EDTA K3 Male Pooled, not Filtered		
PK3SDM-909-XSL	1 ml	750
PK3SDM-909-ZSL	2 ml	1500
PK3SDM-909-ESL	5 ml	3770
PK3SDM-909-DSL	10 ml	7540
PK3SDM-909-JSL	25 ml	18840
PK3SDM-909-SSL	50 ml	37690
PK3SDM-909-HSL	100 ml	75390
Rat (Sprague Dawley) Plasma EDTA K3 Mixed Gender Pooled, not Filtered		
PK3SD-909-ZSL	2 ml	1740
PK3SD-909-ESL	5 ml	3770
PK3SD-909-DSL	10 ml	7540
PK3SD-909-JSL	20 ml	15080
PK3SD-909-SSL	50 ml	37690
PK3SD-909-HSL	100 ml	75390
PK3SD-909-FSL	500 ml	376920
Rat (Sprague Dawley) Plasma EDTA K3 with Aprotinin Mixed Gender Pooled, not Filtered		
PK3SDA-909-DSL	10 ml	9190

Catalog No.	Pack	Unit Price ₹
Rat (Sprague Dawley) Plasma Lithium Heparin Female Individual Donor, not Filtered		
PLHSDIF-909-ZSL	2 ml	2160
Rat (Sprague Dawley) Plasma Lithium Heparin Female Pooled, not Filtered		
PLHSDF-909-ZSL	2 ml	1740
PLHSDF-909-ESL	5 ml	3770
PLHSDF-909-DSL	10 ml	7540
PLHSDF-909-JSL	20 ml	15080
PLHSDF-909-SSL	50 ml	37690
PLHSDF-909-HSL	100 ml	75390
Rat (Sprague Dawley) Plasma Lithium Heparin Male Individual Donor, not Filtered		
PLHSDIM-909-XSL	1 ml	2160
PLHSDIM-909-ZSL	2 ml	2160
Rat (Sprague Dawley) Plasma Lithium Heparin Male Pooled, not Filtered		
PLHSDM-909-ZSL	2 ml	1740
PLHSDM-909-ESL	5 ml	3770
PLHSDM-909-DSL	10 ml	7540
PLHSDM-909-JSL	20 ml	15080
PLHSDM-909-SSL	50 ml	37690
PLHSDM-909-HSL	100 ml	75390
Rat (Sprague Dawley) Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLHSD-909-ZSL	2 ml	1740
PLHSD-909-ESL	5 ml	3770
PLHSD-909-DSL	10 ml	7540
PLHSD-909-JSL	20 ml	15080
PLHSD-909-SSL	50 ml	37690
PLHSD-909-HSL	100 ml	75390
PLHSD-909-FSL	500 ml	376920
Rat (Sprague Dawley) Plasma Potassium Oxalate Sodium Fluoride Male Pooled, not Filtered		
PPOSFCDM-909-DSL	10 ml	7540
Rat (Sprague Dawley) Plasma Potassium Oxalate Sodium Fluoride Mixed Gender Pooled, not Filtered		
PPOSFSD-909-DSL	10 ml	5380
Rat (Sprague Dawley) Plasma Sodium Citrate Female Pooled, not Filtered		
PSCSDF-909-ZSL	2 ml	1740
PSCSDF-909-ESL	5 ml	3770
PSCSDF-909-DSL	10 ml	7540
PSCSDF-909-JSL	20 ml	15080
PSCSDF-909-SSL	50 ml	37690
PSCSDF-909-HSL	100 ml	75390
Rat (Sprague Dawley) Plasma Sodium Citrate Male Individual Donor, not Filtered		
PSCSDIM-909-VSL	1 unit	1900
Rat (Sprague Dawley) Plasma Sodium Citrate Male Pooled, not Filtered		
PSCSDM-909-ZSL	2 ml	1740
PSCSDM-909-ESL	5 ml	3770
PSCSDM-909-JSL	20 ml	15080
PSCSDM-909-SSL	50 ml	37690
PSCSDM-909-HSL	100 ml	75390

Catalog No.	Pack	Unit Price ₹
Rat (Sprague Dawley) Plasma Sodium Citrate Mixed Gender Pooled, not Filtered		
PSCSD-909-ZSL	2 ml	1740
PSCSD-909-ESL	5 ml	3770
PSCSD-909-DSL	10 ml	7540
PSCSD-909-JSL	20 ml	15080
PSCSD-909-SSL	50 ml	37690
PSCSD-909-HSL	100 ml	75390
PSCSD-909-FSL	500 ml	376920
Rat (Sprague Dawley) Plasma Sodium EDTA Mixed Gender Pooled, not Filtered		
PSESD-909-ZSL	2 ml	1740
PSESD-909-DSL	10 ml	7540
PSESD-909-SSL	50 ml	37690
PSESD-909-HSL	100 ml	75390
PSESD-909-PSL	200 ml	150770
Rat (Sprague Dawley) Plasma Sodium EDTA Sodium Fluoride Mixed Gender Pooled, not Filtered		
PSESFSD-909-DSL	10 ml	7540
Rat (Sprague Dawley) Plasma Sodium Heparin Female Individual Donor, not Filtered		
PSHSDIF-909-XSL	1 ml	2160
Rat (Sprague Dawley) Plasma Sodium Heparin Female Pooled, not Filtered		
PSHSDF-909-TSL	30 ml	22620
Rat (Sprague Dawley) Plasma Sodium Heparin Male Individual Donor, not Filtered		
PSHSDIM-909-XSL	1 ml	1740
Rat (Sprague Dawley) Plasma Sodium Heparin Male Pooled, not Filtered		
PSHSDM-909-XSL	1 ml	1740
PSHSDM-909-DSL	10 ml	7540
PSHSDM-909-JSL	20 ml	15080
Rat (Sprague Dawley) Plasma Sodium Heparin Mixed Gender Pooled, not Filtered		
PSHSD-909-ZSL	2 ml	1740
PSHSD-909-ESL	5 ml	3770
PSHSD-909-DSL	10 ml	7540
PSHSD-909-JSL	20 ml	15080
PSHSD-909-SSL	50 ml	37690
PSHSD-909-HSL	100 ml	75390
Rat (Sprague Dawley) Serum Female Individual Donor, not Filtered		
SSDIF-909-ZSL	2 ml	1740
Rat (Sprague Dawley) Serum Male Individual Donor, not Filtered		
SSDIM-909-ZSL	2 ml	1740
Rat (Sprague Dawley) Serum Male Pooled, not Filtered		
SSDM-909-XSL	1 ml	1740
SSDM-909-DSL	10 ml	7540
SSDM-909-JSL	20 ml	15080
SSDM-909-SSL	50 ml	37690
SSDM-909-HSL	100 ml	75390
Rat (Sprague Dawley) Serum Mixed Gender Pooled, not Filtered		
SSD-909-ZSL	2 ml	1740
SSD-909-ESL	5 ml	3770
SSD-909-DSL	10 ml	7540
SSD-909-JSL	20 ml	15080
SSD-909-SSL	50 ml	37690
SSD-909-HSL	100 ml	75390
SSD-909-FSL	500 ml	376920

Catalog No.	Pack	Unit Price ₹
Rat (Sprague Dawley) Whole Blood EDTA K2 Mixed Gender Pooled, not Filtered		
BK2SD-909-ZSL	2 ml	1740
BK2SD-909-ESL	5 ml	3770
BK2SD-909-DSL	10 ml	7540
BK2SD-909-JSL	20 ml	15080
BK2SD-909-SSL	50 ml	37690
BK2SD-909-HSL	100 ml	75390
Rat (Sprague Dawley) Whole Blood EDTA K3 Male Pooled, not Filtered		
BK3SDM-909-ESL	5 ml	3770
BK3SDM-909-DSL	10 ml	7540
Rat (Sprague Dawley) Whole Blood EDTA K3 Mixed Gender Pooled, not Filtered		
BK3SD-909-ESL	5 ml	3770
BK3SD-909-DSL	10 ml	7540
BK3SD-909-SSL	50 ml	37690
Rat (Sprague Dawley) Whole Blood Lithium Heparin Male Individual Donor, not Filtered		
BLHSDIM-909-DSL	10 ml	8680
Rat (Sprague Dawley) Whole Blood Lithium Heparin Male Individual Donor, not Filtered		
BLHSDM-909-DSL	10 ml	8680
Rat (Sprague Dawley) Whole Blood Lithium Heparin Mixed Gender Pooled, not Filtered		
BLHSD-909-ESL	5 ml	3610
BLHSD-909-DSL	10 ml	7200
BLHSD-909-JSL	20 ml	14420
BLHSD-909-SSL	50 ml	36040
BLHSD-909-HSL	100 ml	72080
Rat (Sprague Dawley) Whole Blood Sodium EDTA Mixed Gender Pooled, not Filtered		
BSESD-909-DSL	10 ml	7200
BSESD-909-HSL	100 ml	72080
Rat (Sprague Dawley) Whole Blood Sodium Heparin Mixed Gender Pooled, not Filtered		
BSHSD-909-ASL	0.5 ml	1740
BSHSD-909-ESL	5 ml	3610
BSHSD-909-DSL	10 ml	7200
Rat (Sprague Dawley) Whole Blood, EDTA K2 Female Individual Donor, not Filtered		
BK2SDIF-909-ESL	5 ml	4340
Rat (Sprague Dawley) Whole Blood, EDTA K2 Male Individual Donor, not Filtered		
BK2SDIM-909-ESL	5 ml	4340
Rat (Sprague Dawley) Whole Blood, EDTA K2 Mixed Gender Pooled, not Filtered		
BSD-909-SSL	50 ml	36040
Rat (Sprague Dawley) Whole Blood, Sodium Heparin Female Pooled, not Filtered		
BSHSDF-909-DSL	10 ml	7200
Rat (Wistar Hanover - HSD) Plasma Sodium Heparin Female Pooled, not Filtered		
PSHHWHF-909-DSL	10 ml	15910
Recombinant Basic Fibroblast Growth Factor (bFGF)		
GEM-400-432-PSL	25 µg	41800
Recombinant Insulin-like Growth Factor-1 (IGF-1)		
GEM-300-132-PSL	20 µg	27870

Catalog No.	Pack	Unit Price ₹
Recombinant Interleukin-3 Mouse (IL-3)		
GEM-400-445-PSL	10 µg	52250
Recombinant Nerve Growth Factor Beta (NGF-Beta)		
GEM-400-446-PSL	5 µg	26120
Recombinant Platelet -Derived Growth Factor BB (PDGF BB)		
GEM-400-435-PSL	10 µg	62700
Recombinant Stem Cell Factor - human (hSCF)		
GEM-400-442-PSL	10 µg	59210
Recombinant Stem Cell Factor - mouse (mSCF)		
GEM-400-443-PSL	10 µg	59210
Recombinant Transforming Growth Factor Beta 3 (TGF-Beta 3)		
GEM-400-444-PSL	10 µg	139320
Recombinant Vascular Endothelial Growth Factor - 165 (VEGF-165)		
GEM-400-447-PSL	10 µg	66180
RELIM-		
GEM-300-344P5SL	5 µg	27400
GEM-300-344P25SL	25 µg	63170
GEM-300-344P100SL	100 µg	147280
GEM-300-344P1SL	1 mg	986400
RELIM-		
GEM-300-181P5SL	5 µg	27400
GEM-300-181P25SL	25 µg	63170
GEM-300-181P100SL	100 µg	147280
GEM-300-181P1SL	1 mg	986400
RELIM-		
GEM-300-345P5SL	5 µg	27400
GEM-300-345P25SL	25 µg	63170
GEM-300-345P100SL	100 µg	147280
GEM-300-345P1SL	1 mg	986400
Resistin		
GEM-300-182P5SL	5 µg	27400
GEM-300-182P25SL	25 µg	63170
GEM-300-182P100SL	100 µg	190660
GEM-300-182P1SL	1 mg	1753610
Rhesus Monkey Plasma EDTA K2 Mixed Gender, Pooled, not Filtered		
PK2-119-XSL	1 ml	5520
PK2-119-ESL	5 ml	24760
PK2-119-DSL	10 ml	49540
PK2-119-JSL	20 ml	99070
PK2-119-SSL	50 ml	247680
PK2-119-HSL	100 ml	495370
PK2-119-FSL	500 ml	2476850
Rhesus Monkey Plasma EDTA K3 Mixed Gender Pooled, not Filtered		
PK3-119-XSL	1 ml	5520
PK3-119-ZSL	2 ml	11040
PK3-119-ESL	5 ml	24760
PK3-119-DSL	10 ml	49540
PK3-119-JSL	20 ml	99070
PK3-119-SSL	50 ml	247680
PK3-119-HSL	100 ml	495370
PK3-119-FSL	500 ml	2476850
Rhesus Monkey Plasma Lithium Heparin Male Pooled, not Filtered		
PLHM-119-DSL	10 ml	48180

Catalog No.	Pack	Unit Price ₹
Rhesus Monkey Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLH-119-XSL	1 ml	5520
PLH-119-ZSL	2 ml	11040
PLH-119-ESL	5 ml	24760
PLH-119-DSL	10 ml	49540
PLH-119-JSL	20 ml	99070
PLH-119-SSL	50 ml	247680
PLH-119-HSL	100 ml	495370
PLH-119-FSL	500 ml	2476850
Rhesus Monkey Plasma Sodium Heparin Mixed Gender Pooled, not Filtered		
PSH-119-XSL	1 ml	5360
PSH-119-ZSL	2 ml	10740
PSH-119-ESL	5 ml	24080
PSH-119-DSL	10 ml	48180
PSH-119-JSL	20 ml	96340
PSH-119-SSL	50 ml	240860
PSH-119-HSL	100 ml	481740
PSH-119-FSL	500 ml	2408680
Rhesus Monkey Serum Female Individual, not Filtered		
SIF-119-XSL	1 ml	5850
SIF-119-DSL	10 ml	52540
Rhesus Monkey Serum Female Pooled, not Filtered		
SF-119-SSL	50 ml	240860
Rhesus Monkey Serum Male Individual Donor, not Filtered		
SIM-119-XSL	1 ml	5850
SIM-119-DSL	10 ml	52540
Rhesus Monkey Serum Male Pooled, not Filtered		
SM-119-SSL	50 ml	240860
Rhesus Monkey Serum Mixed Gender Pooled, not Filtered		
S-119-XSL	1 ml	5360
S-119-ZSL	2 ml	10740
S-119-ESL	5 ml	24080
S-119-DSL	10 ml	48180
S-119-JSL	20 ml	96340
S-119-SSL	50 ml	240860
S-119-HSL	100 ml	481740
S-119-FSL	500 ml	2408680
Rhesus Monkey Whole Blood EDTA K2 Mixed Gender, Pooled, not Filtered		
BK2-119-ESL	5 ml	25900
BK2-119-JSL	20 ml	10360
Rhesus Monkey Whole Blood Lithium Heparin Mixed Gender Pooled, not Filtered		
BLH-119-DSL	10 ml	49540
BLH-119-JSL	20 ml	99070
BLH-119-SSL	50 ml	247680
RPMI 1640 with L Glutamine		
MED-230SL	500 ml	1160
RPMI W/O Glutamine		
MED-229SL	500 ml	1160
RPMI with 25mM HEPES with Glutamine		
MED-232SL	500 ml	1370

Catalog No.	Pack	Unit Price ₹
SCF		
GEM-300-185P2SL	2 ug	27400
GEM-300-185P10SL	10 ug	59370
GEM-300-185P100SL	100 ug	147280
GEM-300-185P1SL	1 mg	949870
SCF		
GEM-300-348P2SL	2 ug	27400
GEM-300-348P10SL	10 ug	59370
GEM-300-348P100SL	100 ug	147280
GEM-300-348P1SL	1 mg	986400
SCF		
GEM-300-514P2SL	2 ug	27400
GEM-300-514P10SL	10 ug	63170
GEM-300-514P100SL	100 ug	147280
GEM-300-514P1SL	1 mg	986400
SDF-1 / CXCL12		
GEM-300-186P2SL	2 ug	27400
GEM-300-186P10SL	10 ug	63170
GEM-300-186P100SL	100 ug	147280
GEM-300-186P1SL	1 mg	986400
SDF-1 / CXCL12		
GEM-300-349P2SL	2 ug	27400
GEM-300-349P10SL	10 ug	63170
GEM-300-349P100SL	100 ug	147280
GEM-300-349P1SL	1 mg	986400
SDF-1 / CXCL12		
GEM-300-187P2SL	2 ug	27400
GEM-300-187P10SL	10 ug	63170
GEM-300-187P100SL	100 ug	147280
GEM-300-187P1SL	1 mg	986400
SDF-1 / CXCL12		
GEM-300-350P2SL	2 ug	27400
GEM-300-350P10SL	10 ug	63170
GEM-300-350P100SL	100 ug	147280
GEM-300-350P1SL	1 mg	986400
SDF-1 / CXCL12		
GEM-300-700P2SL	2 ug	27400
GEM-300-700P10SL	10 ug	63170
GEM-300-700P100SL	100 ug	147280
GEM-300-700P1SL	1 mg	986400
SFIM60 Serum Free Insect Medium		
GEM-900-630-FSL	500 ml	11800
Sheep Plasma EDTA K2 Mixed Gender, Pooled, not Filtered		
PK2-303-SSL	50 ml	17760
PK2-303-HSL	100 ml	35510
PK2-303-FSL	500 ml	177580
Sheep Plasma EDTA K3 Mixed Gender Pooled, not Filtered		
PK3-303-SSL	50 ml	17760
PK3-303-HSL	100 ml	35510
PK3-303-FSL	500 ml	177580
Sheep Plasma Lithium Heparin Male Pooled, not Filtered		
PLHM-303-DSL	10 ml	18570
Sheep Plasma Lithium Heparin Mixed Gender Pooled, not Filtered		
PLH-303-SSL	50 ml	18570
PLH-303-HSL	100 ml	37140
PLH-303-FSL	500 ml	185730

Catalog No.	Pack	Unit Price ₹
Sheep Plasma, Sodium Citrate Mixed Gender Pooled, not Filtered		
PSC-303-MSL	10 ml	18570
Sheep Plasma, Sodium EDTA Mixed Gender Pooled, not Filtered		
PSE-303-MSL	25 ml	18570
Sheep Red Blood Cells in Alsevers (25ml whole blood, 25ml Alsevers) Pooled Mixed Gender, not Filtered		
BAS-303-SSL	50 ml	22640
Sheep Red Blood Cells in Alsevers (5ml whole blood, 5ml Alsevers) Pooled Mixed Gender, not Filtered		
BAS-303-DSL	10 ml	18570
Sheep Serum		
GEM-100-117-FSL	500 ml	37610
Sheep Serum Mixed Gender Pooled, not filtered		
S-303-SSL	50 ml	18570
Sheep Skin Tissue, Individual Donor		
Tissues-303-SKINSL	1 unit	380
Sheep Whole Blood EDTA K2 Male Individual Donor, not Filtered		
BK2IM-303-SSL	50 ml	15080
Sheep Whole Blood EDTA K2 Mixed Gender, Pooled, not Filtered		
BK2-303-DSL	10 ml	15080
SHH		
GEM-300-184P5SL	5 ug	27400
GEM-300-184P25SL	25 ug	63170
GEM-300-184P100SL	100 ug	170490
GEM-300-184P1SL	1 mg	913340
SHH		
GEM-300-347P5SL	5 ug	27400
GEM-300-347P25SL	25 ug	63170
GEM-300-347P100SL	100 ug	147280
GEM-300-347P1SL	1 mg	913340
SILAC DMEM without L-Arginine, without L-Glutamine, without L-Lysine		
ECB7511LSL	500 ml	2800
SILAC RPMI 1640 without L-Arginine, without L-Glutamine, without L-Lysine		
ECB9206LSL	500 ml	3340
Split Cell Buffer		
ASC-011-TSL	EA	1950
ASC-011-HSL	EA	4880
Split Cells		
ASC-010-TSL	EA	1950
ASC-010-HSL	EA	4880
SplitKit Cell Dissociation System (1 x 100ml Split Cells, 1 x 100ml Buffer)		
SK-KITSL	1 Kit	11210
Stasis Stem Cell Qualified Foetal Bovine Serum		
GEM-100-125-FSL	500 ml	60170
Stasis Stem Cell Qualified US Foetal Bovine Serum		
GEM-100-525-FSL	500 ml	63030
Streptomycin Powder		
GEM-400-118-PSL	100 g	10100

Catalog No.	Pack	Unit Price ₹
TARC / CCL17		
GEM-300-201P5SL	5 ug	27400
GEM-300-201P20SL	20 ug	63170
GEM-300-201P100SL	100 ug	147280
GEM-300-201P1SL	1 mg	986400
TC100 Insect Medium with L-Glutamine		
ECM0054LSL	500 ml	6250
TGF- 1		
GEM-300-191P1uSL	1 ug	27400
GEM-300-191P5SL	5 ug	63170
GEM-300-191P100SL	100 ug	766060
GEM-300-191P1SL	1 mg	3214950
TGF- 3		
GEM-300-192P2SL	2 ug	27400
GEM-300-192P10SL	10 ug	63170
GEM-300-192P100SL	100 ug	229860
GEM-300-192P1SL	1 mg	2118940
TGF- 3		
GEM-300-360P2SL	2 ug	27400
GEM-300-360P10SL	10 ug	63170
GEM-300-360P100SL	100 ug	229860
GEM-300-360P1SL	1 mg	2118940
TNF-Receptor-1		
GEM-300-194P5SL	5 ug	27400
GEM-300-194P20SL	20 ug	68500
GEM-300-194P100SL	100 ug	147280
GEM-300-194P1SL	1 mg	986400
TNF-		
GEM-300-193P10SL	10 ug	27400
GEM-300-193P50SL	50 ug	68500
GEM-300-193P1SL	1 mg	438400
TNF-		
GEM-300-352P5SL	5 ug	27400
GEM-300-352P20SL	20 ug	63170
GEM-300-352P100SL	100 ug	147280
GEM-300-352P1SL	1 mg	986400
TNF-		
GEM-300-515P5SL	5 ug	27400
GEM-300-515P20SL	20 ug	63170
GEM-300-515P100SL	100 ug	147280
GEM-300-515P1SL	1 mg	986400
TNF-		
GF-040-10SL	10 ug	13020
GF-040-50SL	50 ug	31180
GF-040-100SL	100 ug	46170
GF-040-1000SL	1000 ug	233630
TNM-FH Insect Medium		
GEM-600-311-FSL	500 ml	6260
TPO		
GEM-300-188P2SL	2 ug	27400
GEM-300-188P10SL	10 ug	63170
GEM-300-188P100SL	100 ug	289220
GEM-300-188P1SL	1 mg	1461340
TPO		
GEM-300-351P2SL	2 ug	27400
GEM-300-351P10SL	10 ug	63170
GEM-300-351P100SL	100 ug	190660
GEM-300-351P1SL	1 mg	1461340

Catalog No.	Pack	Unit Price ₹
TRAIL		
GEM-300-190P10SL	10 ug	27400
GEM-300-190P50SL	50 ug	63170
GEM-300-190P1SL	1 mg	438400
Trypsin EDTA (1:250) (10x)UV irradiated DET-008SL	100 ml	2390
Trypsin-EDTA Solution (0.05%-0.53mM) GEM-400-150-HSL	100 ml	2440
Trypsin-EDTA Solution (0.25%-0.53mM) GEM-400-151-HSL	100 ml	2440
TSLP		
GEM-300-189P2SL	2 ug	27400
GEM-300-189P10SL	10 ug	63170
GEM-300-189P100SL	100 ug	190660
GEM-300-189P1SL	1 mg	1753610
Turkey Red Blood Cells in Alsevers (25ml whole blood, 25ml Alsevers) Pooled Mixed Gender, not Filtered BAS-130-SSL	50 ml	82210

Catalog No.	Pack	Unit Price ₹
VEGF-120		
GEM-300-353P2SL	2 ug	27400
GEM-300-353P10SL	10 ug	63170
GEM-300-353P100SL	100 ug	147280
GEM-300-353P1SL	1 mg	1315210
VEGF-121		
GEM-300-195P2SL	2 ug	27400
GEM-300-195P10SL	10 ug	63170
GEM-300-195P100SL	100 ug	147280
GEM-300-195P1SL	1 mg	1315210
VEGF-164		
GF-0950-10SL	10 µg	23280
GF-0950-50SL	50 µg	82480
GF-0950-100SL	100 µg	123130
VEGF-165		
GEM-300-196P2SL	2 ug	27400
GEM-300-196P10SL	10 ug	63170
GEM-300-196P100SL	100 ug	147280
GEM-300-196P1SL	1 mg	1315210

Catalog No.	Pack	Unit Price ₹
VEGF-165		
GEM-300-354P2SL	2 ug	27400
GEM-300-354P10SL	10 ug	63170
GEM-300-354P100SL	100 ug	147280
GEM-300-354P1SL	1 mg	1315210
VEGF-165		
GEM-300-516P2SL	2 µg	27400
GEM-300-516P10SL	10 µg	63170
GEM-300-516P100SL	100 µg	147280
GEM-300-516P1SL	1 mg	1315210
VEGF-165		
GF-010-10SL	10 µg	23280
GF-010-50SL	50 µg	82480
GF-010-100SL	100 µg	123130
GF-010-1000SL	1000 µg	587640
Vivify-1X Complete Cell Freezing Medium GEM-600-100SL	510 xml	10450
Yssel's T-Cell Medium GEM-400-102-FSL	500 ml	13240
Yssel's T-Cell Medium w/1% Human Serum AB GEM-400-103-FSL	500 ml	13580

Note:

Please send your enquiry for other Products (Serum Albumins, Foetal Bovine Serums, other animal Serums and Plasmas, Human Serum and Plasma, Monoclonal and Polyclonal Antibodies, Viral Antigens, Growth Factors, Protein Kinases, Recombinant and natural Proteins, Heat Shock Proteins) appearing in web site: www.seralab.co.uk

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AUTHORISATION CERTIFICATE

TO WHOM IT MAY CONCERN

Herewith we, Sera Laboratories International Ltd., grant the Company:

Merck Specialities Private Limited India
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Prabhadevi, Mumbai - 400 025
India.

Located in India, the right for the sales in India of the Seralab product range on an exclusive basis:
These products are manufactured by Sera Laboratories International Ltd, located in Haywards Heath,
West Sussex, England.

This certificate is valid for the period of two years and will automatically be extended every 12
months unless one of the parties terminates this certificate within a two months prior written
notice.

Sera Laboratories International Ltd.

31st March 2014

Mrs. Jennifer Murray

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
03-32-0009-100MGCN	170	1.00354.0100	172	1.03256.0010	168	1.06023.1000	178	1.08374.0100	174
03-32-1501-25MGCN	180	1.00354.0500	172	1.03256.0100	168	1.06062.1000	175	1.08374.0500	174
03-32-5032-1MGCN	218	1.00382.0250	170	1.03291.0001	166	1.06126.0025	174	1.08374.9010	174
03-34-0001-25MGCN	172	1.00382.1000	170	1.03291.0005	166	1.06126.0250	174	1.08379.0250	179
03-34-0002-25MGCN	172	1.00633.1000	166	1.03291.0025	166	1.06126.1000	174	1.08379.1000	179
03-34-0027-25MGCN	172	1.00638.1000	166	1.03604.0050	170	1.06126.9010	174	1.08382.0100	179
03-34-0035-25MGCN	172	1.00639.1000	166	1.03740.0002	172	1.06129.0025	166	1.08382.0250	179
03-34-0035-5MGCN	172	1.00640.1000	166	1.03984.0005	171	1.06129.0250	166	1.08382.0500	179
03-34-0051-100MGCN	204	1.00641.1000	166	1.03984.0025	171	1.06129.9010	166	1.08382.1000	179
03-34-0051-25MGCN	204	1.00963.0100	170	1.04007.0250	169	1.06174.1000	178	1.08382.2500	179
03-34-0051-5MGCN	204	1.00963.1000	170	1.04007.1000	169	1.06177.2500	178	1.08382.9025	179
03-34-0052-25MGCN	172	1.01007.0025	173	1.04058.0025	169	1.06186.0100	166	1.08387.0500	179
03-34-0052-5MGCN	172	1.01007.0100	173	1.04058.0100	169	1.06186.1000	166	1.08387.2500	179
03-34-0055-5MGCN	172	1.01007.1000	173	1.04074.0500	169	1.06194.0100	176	1.08387.9025	179
05-22-2500-25MGCN	171	1.01007.9010	173	1.04074.1000	169	1.06194.1000	176	1.08411.0010	174
05-22-3838-1MGCN	168	1.01008.0250	178	1.04074.5000	169	1.06195.0100	166	1.08411.0100	174
05-22-3838-5MGCN	168	1.01008.1000	178	1.04074.9050	169	1.06195.0500	166	1.08411.1000	174
05-23-0050-0.1MGCN	169	1.01193.0001	174	1.04114.0002	178	1.06197.0100	174	1.08411.9010	174
05-23-0050-1MGCN	169	1.01211.0250	167	1.01211.0250	171	1.06197.1000	174	1.08444.0001	179
05-23-0101-1MGCN	202	1.01211.1000	167	1.04169.1000	171	1.06254.0100	175	1.08488.0250	179
05-23-0101-25MGCN	202	1.01211.5000	167	1.04201.0100	171	1.06619.0050	177	1.08488.1000	179
05-23-0101-5MGCN	202	1.01211.9050	167	1.04201.0250	171	1.06619.0250	177	1.08488.5000	179
05-23-0111-5MGCN	166	1.01236.0100	167	1.04201.1000	171	1.06619.1000	177	1.08488.9010	179
05-23-0300-0.5MGCN	190	1.01236.0500	167	1.04201.5000	171	1.06906.0025	174	1.08489.0005	179
05-23-0300-1MGCN	190	1.01252.0100	178	1.04201.9025	171	1.06906.0100	174	1.08489.0025	179
05-23-0310-0.5MGCN	194	1.01252.0250	178	1.04219.0025	171	1.06906.1000	174	1.08495.0025	174
05-23-0310-1MGCN	194	1.01252.1000	178	1.04219.0100	171	1.06906.9010	174	1.08495.0100	174
05-23-0500-1MGCN	204	1.01252.9025	178	1.04219.0500	171	1.07144.0025	176	1.08495.1000	174
05-23-0500-25MGCN	204	1.01257.0050	178	1.04219.9025	171	1.07185.0100	176	1.08495.9010	174
05-23-0500-5MGCN	204	1.01257.0250	178	1.04220.0100	171	1.07192.0001	176	1.08543.0250	170
05-23-0600-1MGCN	225	1.01257.1000	178	1.04220.1000	171	1.07256.0025	174	1.08602.0025	175
05-23-0600-25MGCN	225	1.01542.0100	173	1.04220.5000	171	1.07256.0100	174	1.08602.0250	175
05-23-0600-5MGCN	225	1.01542.1000	173	1.04220.9010	171	1.07256.1000	174	1.08602.9010	175
05-23-0751-1MGCN	182	1.01542.9010	173	1.04220.9025	171	1.07256.9010	174	1.08689.0025	169
05-23-0751-5MGCN	182	1.01543.0050	173	1.04233.0010	171	1.07257.0025	170	1.08689.0100	169
05-23-0850-5MGCN	225	1.01543.0250	173	1.04233.0100	171	1.07257.0100	170	1.10123.0005	177
05-23-1200-5MGCN	219	1.01543.1000	173	1.04233.1000	171	1.07360.0001	176	1.10123.0025	177
05-23-2005-0.5MGCN	194	1.01543.9010	173	1.04350.0025	173	1.07361.0010	173	1.10220.0025	176
05-23-2005-1MGCN	194	1.01546.0100	175	1.04350.0100	173	1.07361.0025	173	1.10220.0250	176
05-23-2101-0.5MGCN	197	1.01566.0100	173	1.04350.0500	173	1.07393.0010	177	1.10220.1000	176
05-23-2101-1MGCN	197	1.01566.1000	173	1.04350.9010	173	1.07419.0050	177	1.10220.9010	176
05-23-2150-0.1MGCN	195	1.01566.9010	173	1.04351.0025	173	1.07433.0001	176	1.10590.0005	180
05-23-2150-1MGCN	195	1.01644.0001	174	1.04351.0100	173	1.07433.0005	176	1.10695.0025	175
05-23-2151-0.5MGCN	195	1.01651.0025	168	1.04351.1000	173	1.07434.0010	174	1.10695.0250	175
05-23-2301-1MGCN	192	1.01651.1000	168	1.04351.9010	173	1.07434.0100	174	1.10695.9010	175
05-23-2401-25MGCN	190	1.01701.0005	175	1.04506.0010	173	1.07434.0500	174	1.10732.0100	178
05-23-2402-0.5MGCN	190	1.01701.0025	175	1.04506.0100	173	1.07434.9010	174	1.10784.0100	166
05-23-2404-1MGCN	190	1.01894.0100	168	1.04507.0050	175	1.07605.0050	169	1.10784.1000	166
05-23-2540-0.5MGCN	182	1.01894.1000	168	1.04507.0250	175	1.07609.0010	177	1.10789.0001	178
05-23-2700-0.1MGCN	192	1.01899.0001	174	1.04716.0050	172	1.07609.0100	177	1.10897.0050	175
05-23-2700-0.5MGCN	192	1.01910.0025	175	1.04716.0250	172	1.07660.0250	173	1.10897.0100	175
05-23-3703-1MGCN	173	1.01910.0250	175	1.04716.1000	172	1.07660.1000	173	1.11452.0005	176
05-23-3703-5MGCN	173	1.01910.9010	175	1.05177.0005	173	1.07673.0050	177	1.11452.0050	176
05-23-3800-0.1MGCN	192	1.02126.0050	167	1.05177.0025	173	1.07687.0250	178	1.11474.0001	170
05-23-3800-0.5MGCN	192	1.02242.2500	168	1.05194.0025	166	1.07687.1000	178	1.11474.0005	170
05-23-3800-1MGCN	192	1.02243.0001	171	1.05194.0100	166	1.07687.5000	178	1.11474.0025	170
05-23-3801-0.5MGCN	192	1.02244.0100	168	1.05194.1000	166	1.07759.0100	169	1.11474.0500	170
05-23-3831-1MGCN	168	1.02307.0001	167	1.05194.9010	166	1.07759.0500	169	1.11608.0030	171
05-23-3831-5MGCN	168	1.02307.0005	167	1.05206.0050	169	1.07769.0010	174	1.11615.0001	171
05-23-4904-1MGCN	223	1.02321.0005	168	1.05206.0500	169	1.07769.0100	174	1.11615.0010	171
05-23-4910-5MGCN	226	1.02321.0025	168	1.05360.0025	173	1.07769.1000	174	1.11662.0001	169
05-23-5501-1MGCN	195	1.02352.0025	168	1.05360.0250	173	1.07769.9010	174	1.11662.0010	169
1.00126.0100	173	1.02606.0001	169	1.05360.9010	173	1.08181.0025	178	1.11685.0250	178
1.00126.1000	173	1.02837.0025	173	1.05362.0025	173	1.08181.0250	178	1.11685.1000	178
1.00126.9010	173	1.02837.0100	173	1.05362.0100	173	1.08208.1000	179	1.11714.0001	166
1.00142.1000	173	1.02837.1000	173	1.05362.0500	173	1.08238.0500	171	1.11714.0010	166
1.00209.0100	166	1.02837.9010	173	1.05362.9010	173	1.08320.0025	175	1.12018.0025	167
1.00209.1000	166	1.02838.0025	173	1.05388.0025	169	1.08320.0250	175	1.12018.0100	167
1.00289.0025	173	1.02838.0100	173	1.05388.0100	169	1.08337.0250	169	1.12018.0500	167
1.00289.0100	173	1.02838.1000	173	1.05700.0100	173	1.08337.1000	169	1.12117.0050	173
1.00289.1000	173	1.02838.9010	173	1.05700.1000	173	1.08337.5000	169	1.12117.0250	173
1.00289.9010	173	1.02839.0025	173	1.05700.9010	173	1.08337.9050	169	1.12233.0100	173
1.00291.0250	173	1.02839.0100	173	1.05707.0025	174	1.08357.0100	179	1.12233.1000	173
1.00291.1000	173	1.02839.1000	173	1.05707.0100	174	1.08357.1000	179	1.12239.0025	167
1.00291.9010	173	1.02839.9010	173	1.05707.1000	174	1.08371.0025	174	1.12239.0100	167
1.00353.0010	172	1.03094.0001	166	1.05707.9010	174	1.08371.0100	174	1.12240.0005	174
1.00353.0100	172	1.03094.0010	166	1.05912.0025	174	1.08371.1000	174	1.12240.0025	174
1.00354.0005	172	1.03252.0025	166	1.05912.0100	174	1.08371.9010	174	1.12374.0001	178
1.00354.0025	172	1.03252.0250	166	1.06022.1000	177	1.08374.0010	174	1.12422.0025	175

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
1.12422.0100	175	104551-10MGCN	201	107108GB	146	116812-10MGCN	200	120532GB	126
1.12422.1000	175	104833-10MGCN	201	107110GB	142	116814-5UMOLCN	204	120532GB	126
1.12422.9010	175	104850-1SETCN	201	107141GB	158	116815-10UMOLCN	204	120537GB	126
1.12533.0050	177	105307_GB	77	107142GB	158	116816-5UMOLCN	204	120537GB	126
1.12533.0250	177	105309_GB	78	107145GB	146	116818-5UMOLCN	204	120544GB	158
1.12533.1000	177	105315_GB	73	107161GB	146	116820-1STCN	183	120546GB	130
1.12553.0025	169	105316_GB	76	107170GB	157	116833-5UMOLCN	166	121000-1EACN	201
1.13760.0100	177	105320_GB	78	107171GB	146	116850-25MGCN	201	121739-25GMCN	167
1.13760.1000	177	106024_GB	86	107172GB	146	116850-5MGCN	201	121765-2MGCN	201
1.13760.2500	177	106025_GB	86	107177GB	146	116860-10MGCN	201	121767-1MGCN	201
1.14275.0010	176	106026_GB	86	107179GB	146	116880-200UCN	182	121767-1MGCN	241
1.15118.1000	171	106029_GB	86	107210GB	132	116890-5MGCN	201	12177-1KGCN	167
1.15118.2500	171	106031_GB	86	107211GB	141	1170-5KGCN	166	121800-10MGCN	167
1.15118.9026	171	106051_GB	86	107214GB	141	117105-1GMCN	166	121852-100GMCN	167
1.15226.0025	175	1063-100MGCN	166	107418_GB	92	1171-1GMCN	166	121853-100GMCN	167
1.15226.0250	175	1063-10MGCN	166	107438_GB	86	1171-5GMCN	166	121853-500GMCN	167
1.15226.9010	175	106402GB	119	1079-25GMCN	175	117778_GB	76	122640-1KITCN	267
1.15227.9010	175	106425-5GMCN	175	107931GB	157	117792GB	142	122641-1KITCN	267
1.15228.0025	175	106470GB	112	107944GB	142	117793GB	153	122642-1KITCN	268
1.15228.0250	175	106471GB	115	107945GB	153	117795GB	153	122643-1KITCN	268
1.15228.9010	175	106508GB	112	107946GB	124	117799GB	146	123040-50MGCN	201
1.15229.0025	166	106509GB	115	108000_GB	92	117800GB	157	123041-25MGCN	201
1.15229.0250	166	106562GB	112	108001_GB	92	117802GB	139	123850-25MGCN	201
1.15230.0025	166	106563GB	115	108975-100MGCN	216	118110-5GMCN	166	123855-25MGCN	201
1.15230.0250	166	106589GB	112	108975-10MGCN	216	118410-10MGCN	166	123871-25MGCN	201
1.15230.9010	166	106590GB	115	108975-25MGCN	216	118415-1SETCN	201	124005-1MGCN	201
1.15231.0025	166	106614GB	112	108975-50MGCN	216	118415-60UGCN	201	124008-1MGCN	201
1.15231.0250	166	106627GB	112	108975-5MGCN	216	118500-10MGCN	203	124009-1MGCN	201
1.15444.0025	169	106680GB	124	108976-10MGCN	216	118500-2MGCN	203	124011-1MGCN	201
1.15640.0001	167	106724GB	124	108976-25MGCN	216	118501-5MGCN	203	124011-1MGCN	234
1.16216.0001	176	106725GB	124	110116-1UCN	190	118502-2MGCN	213	124011-1MGCN	241
1.16493.0010	179	106782GB	124	110123-5MGCN	201	1185-500MLCN	166	124011-5MGCN	201
1.16801.0025	167	106783GB	124	110138-1GMCN	175	118758_GB	79	124012-10MGCN	201
1.16801.0250	167	106784GB	124	110145-5MGCN	208	118759_GB	92	124012-1MGCN	201
1.16802.0025	167	106816GB	130	110150-5MGCN	194	118772_GB	92	124013-2MGCN	201
1.16802.0250	167	106819GB	130	110165CBC-25MGCN	219	118796GB	153	124014-2MGCN	201
1.24511.0005	170	106850GB	130	110175-1MGCN	201	118797GB	153	124015-1MGCN	214
1.24511.0025	170	106853GB	130	112251-1MGCN	166	119101-50ULCN	185	124017-1MGCN	213
1.24540.0050	170	106854GB	134	112252-5MGCN	201	119102-50ULCN	185	124018-1MGCN	201
1.24540.0250	170	106854GB	139	113000-1GMCN	166	119107-1KITCN	246	124018-1MGCN	234
1.24541.0001	175	106855GB	134	113200-500ULCN	182	119113-5MGCN	216	124018-1MGCN	235
1.24542.0001	175	106855GB	139	114666-1SETCN	166	119114-5MGCN	216	124018-1MGCN	239
1.24542.0005	175	106856GB	134	114666-5MGCN	166	1191-1GMCN	166	124018-1MGCN	241
1.24542.0025	175	106856GB	139	114700-10UGCN	182	119120-25MGCN	167	124018-1MGCN	242
1.24568.0010	177	106857GB	134	114798-25MGCN	166	119123-100ULCN	167	124018-5MGCN	201
1.24568.0100	177	106857GB	139	114802-250UGCN	201	119125-1GMCN	166	124019-5MGCN	201
1.24568.0500	177	106858GB	134	114810-5MGCN	201	1191-25GMCN	166	124020-5MGCN	201
1.24592.0100	180	106858GB	139	114825-25MGCN	201	119134-25MGCN	201	124028-5MGCN	201
1.24592.1000	180	106859GB	134	1150-100GMCN	166	119135-25MGCN	201	124029-2MGCN	202
1.24644.0001	170	106859GB	139	1152-100GMCN	166	119136-10MGCN	201	124030-2MGCN	202
1.24644.0005	170	106870GB	134	1152-10GMCN	166	119137-5MGCN	201	124031-1EACN	234
1.24802.0500	166	106870GB	139	1152-25GMCN	166	119140-10MGCN	201	124032-10MGCN	201
1.24802.2500	166	106887GB	153	115500-50UGCN	201	119147-25MGCN	201	124034-2MGCN	202
1.24807.0001	166	106888GB	115	1160-1KGCN	166	1191-50GMCN	166	124036-25MGCN	202
1.24807.0250	166	106903GB	133	116663GB	153	119151-10MGCN	201	124037-25MGCN	202
1.24839.0100	176	106904GB	133	116668GB	112	119152-5MGCN	201	124038-2MGCN	213
1.24839.0500	176	106905GB	133	116669GB	153	1191-5GMCN	166	124039-2MGCN	214
100050-5MGCN	200	106906GB	133	116676GB	109	120002-25MGCN	201	1250-100GMCN	173
100065-100MGCN	200	106912GB	133	116681GB	109	1200-200GMCN	166	12657-1GMCN	168
100068-500UGCN	200	106913GB	133	116701_GB	75	120024GB	146	12657-25GMCN	168
100069-500UGCN	200	106914GB	133	116702_GB	74	120025GB	146	126575-100GMCN	168
100073-10MGCN	200	106915GB	133	116720GB	120	120026GB	146	126575-10GMCN	168
100081-5MGCN	200	106930GB	133	116721GB	120	120051GB	116	126575-1KGCN	168
100082-10MGCN	200	106934GB	160	116731GB	153	120052GB	116	12657-5MGCN	168
100105-10MGCN	201	106991GB	158	116732GB	133	120053GB	117	126579-100GMCN	168
100105-1MGCN	201	106999GB	131	116733GB	133	120053GB	127	126579-10GMCN	168
100105-50MGCN	201	107048GB	153	116734GB	133	120054GB	117	126584-1MLCN	182
100105-5MGCN	201	107049GB	153	116735GB	133	120056GB	125	12659-100GMCN	167
100106-10MGCN	201	107070GB	107	116736GB	153	120057GB	125	12659-1KGCN	167
100107-1MGCN	200	107071GB	107	116737GB	133	120058GB	126	12659-250GMCN	167
100109-10MGCN	201	107073GB	107	116738GB	134	120059GB	130	12659-25GMCN	167
100110-1GMCN	201	107074GB	108	116738GB	139	120060GB	127	126593-100GMCN	168
100128-5MGCN	166	107075GB	108	116739GB	153	120504GB	161	126593-10GMCN	168
101500-100MGCN	201	107079GB	108	116765-10MGCN	201	120509GB	154	126593-1KGCN	168
101500-1GMCN	201	107089GB	108	116801-100MGCN	201	120510GB	154	126593-25GMCN	168
101500-500MGCN	201	107100GB	158	116801-1GMCN	201	120511GB	155	12659-500GMCN	167
101500-50MGCN	201	107104GB	132	116802-10UMOLCN	218	120515GB	155	12660-100GMCN	168
102555-2000UCN	182	107106GB	153	116805-500UGCN	223	120523GB	126	12660-1KGCN	168
104550-25MGCN	201	107107GB	153	116811-1KITCN	246	120523GB	126	126609-100GMCN	168

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
126609-10GMCN	168	130078GB	161	171260-1MGCN	241	17851-5KGCN	167	194437-1EACN	182
126609-1KGCN	168	130079GB	161	171260-5MGCN	202	17852-1KGCN	167	194932-1GMCN	203
126609-5MGCN	168	130080GB	161	171261-1MGCN	213	17852-5KGCN	167	194933-1GMCN	203
126615-25MLCN	168	130081GB	161	171262-5MGCN	202	178611-1STCN	183	194933-5GMCN	203
126621-50MLCN	168	130082GB	161	171263-5MGCN	202	178612-1STCN	183	195111-100ULCN	183
126625-50MLCN	168	130083GB	161	171264-2MGCN	213	178613-1STCN	183	1951-250KUCN	167
126626-50MLCN	168	130084GB	161	171272-10MGCN	202	178615-50UGCN	183	196000-10UGCN	203
126654-1MGCN	167	130085GB	161	171372-100UGCN	182	178670-25GMCN	169	196000-1SETCN	203
126658-1MGCN	172	130087GB	161	171375-100MGCN	167	178680-100GMCN	173	196322-10MGCN	203
126658-5MGCN	172	130088GB	161	171536-5UGCN	182	178680-25GMCN	173	196418-1GMCN	167
12666-100GMCN	172	130089GB	161	171538-5UGCN	182	181003-1KGCN	173	196419-100MGCN	167
12666-10MGCN	172	130090GB	161	171539-5UGCN	182	181003-250GMCN	173	196419-25MGCN	167
12666-1GMCN	172	130091GB	161	171588-5MGCN	201	181003-50MGCN	173	196440-5MGCN	203
126674-25MGCN	167	130092GB	161	171596-250UGCN	190	181198-100MGCN	202	196800-10MGCN	203
12667-50MLCN	172	130093GB	161	171601-500UGCN	202	181198-1GMCN	202	196805-5MGCN	203
12668-100GMCN	167	130094GB	161	171608-50UGCN	183	181205-100MGCN	202	196806-10MGCN	203
12668-10MGCN	167	130095GB	161	171609-50ULCN	183	181305-1MGCN	202	196810-5MGCN	203
126705-1MLCN	182	130096GB	161	171610-50ULCN	183	181315-10MGCN	202	196811-5MGCN	203
126741-500MLCN	202	130106GB	158	172050-10MGCN	202	1820-100GMCN	173	196870-10MGCN	203
126850-2.5MGCN	200	130107GB	161	172060-50MGCN	202	182015-1MGCN	207	196870-10MGCN	237
126855-100MGCN	202	130108GB	161	172103-50MGCN	202	182200-5MGCN	203	196871-10MGCN	214
126870-1MGCN	202	130109GB	161	172104-50MGCN	202	182200-5MGCN	243	196872-10MGCN	203
126871-1MGCN	202	130110GB	161	172426-5KUCN	193	182515-25MGCN	202	196876-5MGCN	203
126920-25MGCN	202	130111GB	161	175580-10MGCN	202	182516-25MGCN	202	196878-1MGCN	200
126925-100UCN	182	130112GB	161	175600-50UGCN	328	182517-25MGCN	202	196878-5MGCN	200
127100-10MGCN	202	130113GB	161	176002-50UGCN	182	182518-25MGCN	202	197217-1MGCN	203
128125-5MGCN	202	130114GB	161	176695-10MGCN	202	182540-1MGCN	202	197220-1MGCN	203
128136-1MGCN	200	130115GB	161	176708-250UGCN	182	182541-25MGCN	202	197221-5MGCN	203
1290-100MLCN	166	130116GB	161	176870-100UGCN	182	182690-10MGCN	201	197223-5MGCN	203
129741-1MGCN	201	130117GB	161	176871-10UGCN	201	182705-10MGCN	201	197224-10MGCN	203
129874-50MGCN	202	130118GB	161	176872-10UGCN	201	182706-5MGCN	201	197225-1MGCN	203
129875-1MGCN	202	130119GB	161	176880-10MGCN	167	182707-10MGCN	201	197226-10MGCN	203
129876-100MGCN	202	130120GB	161	176900-100UGCN	202	182729-5GMCN	167	197227-10MGCN	203
129935-1MGCN	166	130121GB	161	176901-1MGCN	202	182730-1GMCN	167	197228-25MGCN	203
130001GB	159	130122GB	161	176904-1MGCN	202	182730-5GMCN	167	197320-2MGCN	203
130002GB	159	130123GB	161	176905-100UGCN	202	182750-25GMCN	167	197330-5MGCN	203
130003GB	159	130124GB	161	176908-100UGCN	202	182750-5GMCN	167	197331-5MGCN	203
130004GB	159	130125GB	161	178196-100UGCN	200	182755-25GMCN	167	197332-10MGCN	203
130005GB	159	130126GB	161	178196-1MGCN	200	182800-1MGCN	202	197345-50MGCN	203
130006GB	159	1310-1LCN	166	178220-10MGCN	202	1831-1KGCN	173	197900-5MGCN	203
130007GB	159	138000-50MGCN	207	178220-5MGCN	202	189291-100MGCN	203	198901-250MLCN	167
130008GB	159	138001-50MGCN	208	178221-100UGCN	201	189299-10MGCN	203	199001-25GMCN	167
130009GB	159	1381-500GMCN	209	178223-10MGCN	202	189400-100MGCN	203	199001-5GMCN	167
130010GB	160	1490-100MLCN	166	178251-1MGCN	200	189401-50MGCN	203	200016-5GMCN	218
130011GB	160	149101-1GMCN	200	178251-5MGCN	200	189404-1MGCN	203	200100-100MGCN	203
130012GB	160	149101-250MGCN	200	178260-1MGCN	182	189405-1MGCN	203	200241-1GMCN	200
130013GB	160	1500-500MLCN	166	178270-500UGCN	202	189406-5MGCN	203	200274-100MGCN	218
130014GB	160	152224-10MLCN	182	178273-1MGCN	202	189410-5MGCN	203	200274-25MGCN	218
130015GB	160	152226-50MLCN	182	178276-1MGCN	202	189412-10MGCN	203	200275-25MGCN	203
130016GB	160	155306-5MGCN	202	178276-5MGCN	202	189480-500UGCN	203	200484-10MGCN	203
130017GB	160	1600-200GMCN	166	178278-5MGCN	202	189482-500UGCN	203	200485-5MGCN	203
130018GB	160	164545-10MGCN	166	178281-5MGCN	220	189484-1MGCN	203	200487-10MGCN	203
130019GB	160	164598-50UCN	202	178375-1GMCN	167	189485-1MGCN	203	200488-10MGCN	213
130020GB	160	164599-10UCN	202	178377-1GMCN	167	189488-1EACN	203	200496-10UGCN	190
130021GB	160	164603-50MGCN	200	178385-1GMCN	202	189490-100MGCN	203	200497-25UGCN	190
130031GB	160	164605-10UGCN	202	178422-1MLCN	183	189490-50MGCN	203	200498-5MGCN	203
130033GB	160	164606-10MGCN	202	178440-100MGCN	192	189497-10MGCN	203	200499-50MGCN	203
130043GB	160	164610-1SETCN	220	178452-500UGCN	190	189510-5MGCN	203	2005-25GMCN	167
130044GB	140	164610-700MGCN700	220	178455-500UGCN	190	189511-10MGCN	203	2006-100MLCN	166
130045GB	140	164640-5MGCN	202	178456-500UGCN	190	189512-10MGCN	203	200965-1GMCN	167
130046GB	140	165304-5MGCN	207	178461-100UGCN	190	189513-10MGCN	203	200980-25MGCN	167
130047GB	140	165350-100MGCN	220	178462-50UGCN	190	189724-1000UCN	190	2010-100GMCN	167
130048GB	143	168306-100MLCN	167	178463-1MLCN	183	189725-100MGCN	190	201102-100MGCN	203
130049GB	161	168320-1KGCN	167	178464-1MLCN	183	189725-10MGCN	190	2011-1GMCN	203
1300-500MLCN	166	168320-250GMCN	167	178467-1MLCN	183	189727-1MLCN	190	201125-5MGCN	203
130053GB	161	168355-1KGCN	167	178468-50UGCN	190	189728-2MLCN	190	2017-100MLCN	180
130054GB	161	168356-1KGCN	167	178477-10MGCN	202	189730-10MGCN	197	2020-500GMCN	167
130061GB	161	1690-100MLCN	166	178479-500ULCN	183	189730-1MGCN	197	203112-250MGCN	190
130062GB	161	169756-1MGCN	202	178481-100MGCN	197	189732-2MLCN	197	203118-50MGCN	190
130063GB	161	1700-500MLCN	166	178481-1GMCN	197	189733-1MLCN	197	203119-10MGCN	246
130064GB	161	1710-1LCN	166	178486-1SETCN	202	189737-1MLCN	197	2031-1GMCN	192
130066GB	161	171254-25GMCN	167	178488-10MGCN	202	189738-1MLCN	197	203188-25MGCN	190
130067GB	161	171254-5GMCN	167	178493-10MGCN	202	189825-25MGCN	200	203188-50MGCN	190
130069GB	161	171255-20MLCN	167	178494-10MGCN	202	189826-10MGCN	213	203189-50MGCN	190
130070GB	161	171256-5MGCN	202	178496-5MGCN	202	190080-5MGCN	203	203195-2MGCN	196
130073GB	161	171257-10MLCN	167	178497-10MGCN	202	191500-1MGCN	200	203290-1MGCN	203
130074GB	161	171259-25MGCN	202	178501-5MGCN	202	191501-500UGCN	213	203290-250UGCN	203
130075GB	161	171260-10MGCN	202	178506-10MGCN	209	194430-1GMCN	182	203291-1MGCN	203
130076GB	161	171260-1MGCN	202	17851-1KGCN	167	194434-100MLCN	182	203291-250UGCN	203

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
203292-1MGCN	203	204876-1MGCN	191	208772-1MGCN	204	218680-25GMCN	191	219007-250UGCN	205
203293-1MLCN	214	204878-250UGCN	191	208773-1MGCN	204	218682-100GMCN	191	219008-1MGCN	191
203297-1MGCN	203	204879-250UGCN	191	208775-100MGCN	204	218682-500GMCN	191	219010-1MLCN	183
203303-1MGCN	204	204881-50UGCN	191	208780-100UGCN	190	218683-50UGCN	191	219011-1MGCN	214
203303-250UGCN	204	204882-50UGCN	191	208783-1MGCN	191	218696-1MGCN	205	219012-10MGCN	205
203325-1GMCN	168	204883-1MGCN	191	208851-10UGCN	204	218696-1MGCN	240	219261-100KUCN	191
203350-250MGCN	168	204884-50UGCN	191	208880-50ULCN	183	218697-10MGCN	205	219265-1KITCN	246
203351-10MLCN	168	204885-250UGCN	191	208900-1MGCN	204	218701-10KUCN	191	219330-10MGCN	203
203389-5MGCN	214	204886-250UGCN	191	208902-500UGCN	204	218703-100UGCN	184	219330-10MGCN	240
203390-5MGCN	204	204888-250UGCN	191	208904-500UGCN	204	218704-10MIUCN	191	219331-10MGCN	203
203391-1MGCN	200	204889-1MLCN	184	208910-50ULCN	183	218705-1MGCN	213	219332-10MGCN	203
203392-1MGCN	200	204896-250UGCN	192	208912-50UGCN	183	218708-5MGCN	213	219334-10MGCN	203
203401-10MGCN	168	204897-250UGCN	191	208920-1MGCN	204	218709-10UGCN	191	219343-25UGCN	191
203408-100MGCN	168	204902-30UGCN	191	208921-1MGCN	204	218710-5MGCN	205	219344-25UGCN	191
203408-10MGCN	168	204903-1MGCN	184	208922-5MGCN	204	218710-5MGCN	240	219346-1KITCN	246
203408-250MGCN	168	204906-50UGCN	192	208925-50MGCN	204	218712-50UGCN	184	219350-1SETCN	183
203410-10MLCN	168	204910-250UGCN	192	2090-100GMCN	167	218713-5MGCN	205	219358-1MLCN	183
203600-1MGCN	204	205528-1GMCN	168	209550-100ULCN	183	218714-5MGCN	205	219360-1MGCN	206
203600-250MGCN	204	205530-1MGCN	204	2100-5MLCN	167	218715-5MGCN	205	219361-1MLCN	183
203637-100UGCN	183	205531-1MGCN	204	210150-10MGCN	204	218717-50MGCN	205	219362-50UGCN	191
203638-10UGCN	328	205532-1SETCN	168	211200-25MGCN	204	218718-10MGCN	205	219364-5UCN	191
203639-10UGCN	328	205534-1SETCN	168	211275-100MGCN	204	218719-5MGCN	205	219365-100UGCN	191
203641-2UGCN	328	205535-25MGCN	204	211280-10MGCN	204	218725-3000UCN	191	219366-10UGCN	191
203642-2UGCN	328	205536-10MGCN	204	211875-1GMCN	205	218728-1MGCN	205	219368-25UGCN	191
203646-5MGCN	204	205541-100GMCN	168	2120-100GMCN	167	218735-1MGCN	205	219369-100UGCN	191
203661-1MGCN	204	205546-500MGCN	168	212385-100MGCN	205	218739-5MGCN	205	219370-10UGCN	191
203667-1KGCN	168	205548-500GMCN	204	2125-500GMCN	167	218740-5MGCN	205	219372-1MGCN	206
203667-500GMCN	168	205601-100UGCN	184	2145-1KGCN	167	218742-1MGCN	205	219373-100MIUCN	191
203671-500UGCN	204	205604-100UGCN	184	2149-5KGCN	167	218744-1MGCN	205	219374-100GMCN	169
203694-5MGCN	204	205615-10MGCN	209	2150-1KGCN	167	218744-250UGCN	205	219377-5MGCN	206
203695-10MGCN	204	205805-250MGCN	168	215900-5MGCN	205	218745-1MGCN	205	219379-1MGCN	206
203695-10MGCN	241	206700-1MGCN	168	215901-5MGCN	205	218745-250UGCN	205	219380-26MGCN	168
203697-1MGCN	204	207000-250UGCN	204	215902-50MGCN	205	218746-1MGCN	205	219381-1MGCN	206
203701-5MGCN	204	207001-1MGCN	204	215911-250MGCN	205	218746-250UGCN	205	219384-100ULCN	183
203702-10UGCN	328	207001-1MGCN	239	215921-500MGCN	207	218750-1MGCN	205	219385-1MGCN	206
203702-5UGCN	328	207003-10MGCN	204	2160-5KGCN	167	218750-5MGCN	205	219392-25MGCN	206
203709-10MGCN	215	207005-1KITCN	246	216100-25MGCN	205	218753-1MGCN	205	219393-1MGCN	206
203715-500UGCN	204	207007-1KITCN	246	216201-2MGCN	205	218755-1MGCN	205	219396-1000UCN	191
203724-100MLCN	168	207008-500UGCN	204	216201-5MGCN	205	218757-1MGCN	205	219399-10MGCN	206
203724-1LCN	168	207010-100GMCN	167	216254-1MGCN	167	218757-250UGCN	205	219401-15UCN	191
203728-50MLCN	168	2081-100GMCN	167	216275-50MGCN	166	218759-1MGCN	205	219401-30UCN	191
203729-1MGCN	200	2082-250GMCN	167	2170-25KGCN	167	218759-250UGCN	205	219402-25UGCN	191
203732-100UGCN	204	208290-1KGCN	168	217274-250GMCN	168	218761-1MGCN	205	219404-25UGCN	191
203734-100UGCN	204	208291-250GMCN	168	217277-1KGCN	168	218761-250UGCN	205	219407-25MGCN	206
203780-25MGCN	182	208293-10MGCN	204	217277-250GMCN	168	218763-5MGCN	205	219415-1MGCN	206
203781-25MGCN	182	208665-10MGCN	204	217356-1MGCN	205	218765-1MGCN	206	219419-1MGCN	206
203782-100MGCN	200	208670-50UGCN	191	217386-10MGCN	205	218765-5MGCN	206	219421-1MGCN	206
203782-1GMCN	200	208690-1MGCN	190	217460-5MGCN	205	218766-1MGCN	205	219426-5MGCN	206
203782-250MGCN	200	208690-5MGCN	190	217504-1MGCN	205	218767-1MGCN	205	219427-5MGCN	206
203782-56MGCN	200	208694-1MGCN	191	217505-250MGCN	206	218769-3000UCN	191	219428-1SETCN	206
203783-100MGCN	200	208694-5MGCN	191	217531-10MGCN	205	218772-1SETCN	205	219433-1MGCN	206
203788-1GMCN	182	208697-50UGCN	190	217538-1GMCN	167	218773-1MGCN	205	219440-100ULCN	195
203790-100MLCN	190	208698-500UGCN	191	217570-100UGCN	183	218775-1MGCN	206	219445-1MGCN	206
203800-10MGCN	200	208706-5000UCN	190	217590-100UGCN	183	218776-1MGCN	205	219445-5MGCN	206
203806-1GMCN	166	208711-500UGCN	204	217594-100ULCN	184	218783-3000UCN	191	219457-1MGCN	206
203806-56MGCN	166	208712-1MGCN	191	217595-100UGCN	184	218785-3000UCN	191	219458-25GMCN	169
203811-10UGCN	204	208713-500UGCN	191	217605-100UGCN	184	218790-1KITCN	246	219461-25UGCN	191
203820-25MGCN	200	208715-1MGCN	191	217614-20UGCN	196	218799-100UCN	191	219465-10MGCN	206
203830-10MGCN	204	208719-25MGCN	202	217620-100UGCN	184	218800-100UCN	191	219466-100KUCN	169
203881-5MGCN	207	208719-5MGCN	202	217640-100UGCN	183	218805-5MGCN	206	219466-200KUCN	169
203882-5MGCN	207	208721-25MGCN	202	217657-100UGCN	184	218806-1SETCN	205	219466-50KUCN	169
203890-5MGCN	207	208722-25MGCN	204	217660-100UGCN	183	218807-100UCN	191	219467-10UGCN	191
203891-10MGCN	207	208724-1MGCN	204	217669-100UGCN	183	218809-1SETCN	205	219468-1KITCN	272
203895-5MGCN	204	208725-100UGCN	204	217685-100UGCN	184	218813-100UCN	191	219474-1MGCN	206
203900-10MGCN	204	208725-50UGCN	204	217691-5MGCN	206	218824-1KITCN	246	219475-25MGCN	206
203980-1MGCN	201	208726-1MGCN	204	217692-5MGCN	206	218825-1SETCN	205	219476-1MGCN	206
203984-500MGCN	200	208730-100UGCN	183	217694-10MGCN	206	218826-1MGCN	205	219477-5MGCN	206
203987-5MGCN	204	208731-25MGCN	204	217695-5MGCN	206	218829-1MGCN	205	219478-5MGCN	206
203988-200UGCN	204	208733-1SETCN	204	217696-5MGCN	206	218830-1MGCN	205	219479-5MGCN	206
203989-25GMCN	224	208734-1MGCN	204	217697-1MGCN	206	218832-1MGCN	205	219482-1MGCN	206
203994-5MGCN	218	208735-500UGCN	204	217699-5MGCN	206	218833-5MGCN	205	219483-1MGCN	206
203995-500MGCN	219	208736-500UGCN	204	217707-5MGCN	206	218840-250UGCN	214	219489-1MGCN	206
203996-10MGCN	218	208743-1MGCN	204	217708-25MGCN	206	218841-250UGCN	214	219491-1MGCN	206
204001-10MGCN	204	208743-5MGCN	204	217713-1MGCN	206	218850-10MGCN	205	219492-5MGCN	206
204860-250UGCN	191	208745-1MGCN	204	217713-5MGCN	206	218860-10MGCN	205	219493-10MGCN	206
204863-250UGCN	192	208745-5MGCN	204	217714-1MGCN	206	218861-5MGCN	213	219494-5MGCN	206
204869-1MLCN	184	208748-2MGCN	204	217720-5MGCN	206	219001-5MUCN	191	219497-2MGCN	206
204870-100UGCN	191	208750-5MGCN	214	217721-2MGCN	214	219002-1MGCN	205	219498-1MGCN	206
204873-200UGCN	191	208771-1MGCN	204	218680-100GMCN	191	219007-1MGCN	205	219499-5MGCN	206

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
219502-1MGCN	206	233153-5MGCN	169	235425-5MGCN	205	250255-1MGCN	207	2650-100GMCN	168
219503-5MGCN	206	233155-100GMCN	169	235427-1MGCN	213	250401-10MGCN	207	265152-10GMCN	170
219504-1GMCN	168	233155-10GMCN	169	235428-50MGCN	205	250600-100MGCN	192	265152-50GMCN	170
219504-5MGCN	168	233155-1MGCN	169	235429-1SETCN	205	250600-1GMCN	192	266785-5MGCN	208
219505-10MGCN	206	233155-1KGCN	169	235430-1KITCN	246	251010-1GMCN	200	266788-5MGCN	208
219506-10MGCN	206	233155-25GMCN	169	235432-1KITCN	246	2510-500MGCN	167	2670-5KGCN	168
219511-10MGCN	206	233155-500GMCN	169	235752-1MLCN	184	251400-5MGCN	207	268298-10MGCN	170
219537-5MGCN	208	233155-5MGCN	169	236002-50UGCN	184	251406-50MGCN	208	268320-5MGCN	170
219555-1MGCN	206	233156-10GMCN	169	236005-5MGCN	207	251500-1MGCN	169	2710-1KGCN	168
219556-10MGCN	206	233156-1MGCN	169	236007-10MGCN	207	251505-1MGCN	170	2720-5KGCN	168
219557-5MGCN	169	233165-1MGCN	207	236011-5MGCN	207	251515-1MGCN	170	2730-25KGCN	168
219650-100GMCN	169	233183-10MGCN	207	236012-5MGCN	207	251520-1MGCN	170	2740-1KITCN	168
219650-500GMCN	169	233264-25MGCN	169	236013-25MGCN	207	251530-25MGCN	207	2800-25MGCN	168
219670-5MGCN	206	233264-5MGCN	169	236015-5MGCN	207	251600-25MGCN	207	281751-10MLCN	192
219671-5MGCN	206	233279-100UCN	191	236020-5MGCN	209	251635-1GMCN	208	2830-25GMCN	168
219672-10MGCN	206	233282-100UCN	191	236020-1MGCN	192	251650-1MGCN	208	286888-100MGCN	203
219673-10MGCN	206	233480-100UCN	191	236603-100UGCN	192	251680-100MGCN	208	28745-100MGCN	218
219674-5MGCN	214	233483-100UCN	191	236608-1MGCN	192	251700-5MGCN	200	28745-25MGCN	218
219675-5MGCN	214	233490-500UCN	191	237911-1GMCN	207	251760-1MGCN	170	287810-100MGCN	166
219676-5MGCN	206	233493-500UGCN	191	237911-250MGCN	207	251765-1MGCN	170	287815-10MGCN	200
219677-10MGCN	206	233501-100UGCN	191	2380-25GMCN	207	251800-5MGCN	208	287840-1GMCN	208
220005-5MGCN	206	233526-10UCN	191	2380-5MGCN	207	252000-5GMCN	170	287891-50MGCN	200
220201-10GMCN	169	233552-1MGCN	191	238100-10MGCN	207	252718-1GMCN	175	287895-1MGCN	208
220201-1GMCN	169	233553-50UGCN	191	238395-5KUCN	192	252718-5GMCN	175	287897-500MGCN	208
220201-1KGCN	169	233624-25MGCN	207	238407-50UCN	192	252721-1GMCN	175	288104-1MGCN	200
220201-250GMCN	169	233630-10MGCN	207	2384-20MGCN	192	252721-5GMCN	175	288500-25MGCN	208
220201-25GMCN	169	233900-250UGCN	169	238470-1SETCN	207	252750-1GMCN	170	2905-5GMCN	168
220201-5MGCN	169	233903-50UGCN	169	238590-1MGCN	207	252790-2MGCN	212	2910-25GMCN	168
220202-1GMCN	169	234101-100MGCN	169	238803-1MGCN	206	252801-5MGCN	208	292500-10MGCN	208
220202-5GMCN	169	234109-5MGCN	207	238803-5MGCN	206	252805-10GMCN	208	292505-1MGCN	208
220285-5MGCN	206	234115-1GMCN	207	238804-5MGCN	206	252926-10MGCN	175	292505-5MGCN	208
220320-1MGCN	169	234115-5GMCN	207	238806-5MGCN	206	253300-10MGCN	208	2930-100GMCN	168
220411-100GMCN	169	234134-250UCN	191	238811-5MGCN	206	256455-1GMCN	167	2951-500MLCN	170
220411-5MGCN	169	234138-1MGCN	328	238900-5MGCN	200	259544-5MGCN	208	2960-500GMCN	168
220467-10MGCN	200	234140-5MGCN	207	239760-25GMCN	167	259545-10MGCN	208	2980-1KGCN	168
220477-10UCN	191	234149-250UGCN	328	239760-500GMCN	167	259580-1GMCN	166	298711-100GMCN	208
220485-500UGCN	206	234153-100MGCN	191	239763-1GMCN	169	25972-1GMCN	166	298711-25MGCN	208
220486-1MGCN	206	234153-1GMCN	191	239763-5GMCN	169	260010-5MGCN	208	3000-500GMCN	168
220488-10MGCN	207	234154-100UGCN	328	239764-100MGCN	169	260575-5MGCN	200	300260-10MGCN	208
220489-1MGCN	207	234155-100MGCN	191	239764-1GMCN	169	260585-50MGCN	166	300264-2MGCN	208
220491-5MGCN	213	234167-500ULCN	184	239765-1MLCN	172	260684-10MGCN	200	300266-2MGCN	208
220551-100GMCN	169	234169-500ULCN	184	239777-100UGCN	207	260913-10MUCN	170	300267-50MGCN	208
220551-25GMCN	169	234184-1MGCN	328	239779-100GMCN	169	260913-25MUCN	170	300270-1MGCN	220
220551-500GMCN	169	234192-500ULCN	184	239782-100GMCN	168	260920-10MGCN	208	300410-1GMCN	170
220588-250MGCN	191	234196-500ULCN	184	239782-1KGCN	168	260921-10MGCN	208	300410-250MGCN	170
2240-500GMCN	168	234200-10MGCN	207	239783-1SETCN	207	260960-10MGCN	208	300410-5GMCN	170
227013-5MGCN	206	234374-10UGCN	193	239785-1GMCN	207	260961-5MGCN	208	3030-100GMCN	169
227016-5MGCN	206	234376-5UGCN	329	239799-1MGCN	191	260962-1MGCN	208	3040-1KGCN	169
227036-1MGCN	207	234378-10UGCN	329	239802-100MGCN	207	260964-1MGCN	208	3045-5KGCN	168
227039-1MGCN	207	234395-5MLCN	192	239803-1MGCN	207	260964-5MGCN	208	3050-10GMCN	169
227040-100ULCN	184	234397-100UGCN	192	239803-5MGCN	207	2610-25GMCN	175	3055-100GMCN	169
227041-100UGCN	207	234400-5MLCN	192	239804-100UGCN	207	2618-1GMCN	170	309795-250MGCN	208
228111-5MGCN	207	234401-1MLCN	168	239804-100UGCN	243	2618-250MGCN	170	309800-25MGCN	170
228180-1000UCN	191	234403-1MLCN	168	239804-500UGCN	207	2620-100GMCN	175	309825-5MGCN	170
228230-100UCN	191	234405-1MLCN	168	239805-5MGCN	207	262012-1GMCN	170	309866-100MGCN	208
228250-500UCN	191	234409-1MLCN	168	239806-5MGCN	213	262012-5GMCN	170	3100-100GMCN	169
229101-250GMCN	169	234415-1MGCN	204	239807-50UGCN	213	262015-25MGCN	208	310500-5MGCN	208
229101-50GMCN	169	234415-5MGCN	204	239819-2MGCN	207	262017-10MGCN	202	311155-1GMCN	170
229103-5MGCN	207	234490-1MGCN	220	239820-5MGCN	207	263200-1MGCN	208	311203-25MGCN	218
2300-25GMCN	167	234490-1MGCN	235	239821-10MGCN	207	263275-5MGCN	170	311204-25MGCN	218
230699-5MGCN	169	234490-1MGCN	236	239822-10MGCN	207	263301-250MGCN	170	3130-100GMCN	169
230734-1MGCN	191	234491-500UGCN	214	239823-5MGCN	207	263458-1EACN	170	3150-950MLCN	169
230734-2.5MGCN	191	234501-5MGCN	207	239824-10MGCN	207	2640-100MLCN	167	3155-100MLCN	169
230746-1MGCN	183	234505-500UGCN	207	239825-15MGCN	214	264101-100GMCN	170	3160-450MLCN	169
230752-10MGCN	169	234567-1GMCN	192	239831-1GMCN	170	264101-1KGCN	170	317201-10MGCN	208
230790-10MGCN	207	234567-250MGCN	192	239831-5GMCN	170	264101-25GMCN	170	317210-5MGCN	170
230790-250MGCN	207	234599-100MGCN	207	239835-100MGCN	169	264101-5KGCN	170	317240-5GMCN	200
230790-5MGCN	207	234610-500MGCN	169	239836-10MGCN	207	264103-25GMCN	170	317275-100MLCN	170
230900-50UGCN	207	235135-1GMCN	207	239900-10MGCN	207	264103-5GMCN	170	317275-500MLCN	170
230914-25MGCN	207	235400-5MGCN	205	240896-50UGCN	207	264150-1MGCN	205	317496-10MGCN	208
230950-5MGCN	207	235417-5000UCN	191	243005-100GMCN	173	264150-5MGCN	205	317505-10MGCN	200
2310-100GMCN	167	235418-1KITCN	246	243005-1KGCN	173	264151-1MGCN	205	317639-5MIUCN	208
231085-10MGCN	207	235419-1KITCN	246	243005-25GMCN	173	264151-5MGCN	205	317640-250MIUCN	208
232120-50MGCN	207	235420-1MGCN	205	2430-100GMCN	173	264155-1MGCN	205	317641-5MGCN	208
233100-1MGCN	207	235420-5MGCN	205	2430-1KGCN	173	264155-250UGCN	205	317642-5MGCN	208
233105-5MGCN	207	235421-1MGCN	205	2470-25GMCN	173	264156-250UGCN	214	317700-10MGCN	208
233152-5MGCN	170	235421-5MGCN	205	2472-5MGCN	166	264157-10MGCN	205	3200-1KGCN	169
233153-10GMCN	169	235423-1MGCN	205	250225-1MGCN	207	264158-10MGCN	205	3220-5KGCN	169
233153-1GMCN	169	235425-1MGCN	205	250233-5MGCN	207	265005-100MGCN	208	322123-5GMCN	166

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
322133-100MGCN	246	324727-200MIUCN	192	3345-250GMCN	169	343333-50MGCN	200	345733-500UGCN	210
322326-1MGCN	208	324732-5MGCN	209	341006-25GMCN	246	343781-100UGCN	227	345736-1MGCN	210
322327-1MGCN	208	324740-25MGCN	209	341006-5GMCN	246	343922-1GMCN	200	345742-1MGCN	210
322337-2MGCN	208	324744-5MGCN	209	34103-500GMCN	170	344036-1MGCN	206	345743-500UGCN	210
322338-10MGCN	208	324745-5MGCN	209	34115-5GMCN	218	344037-1MGCN	206	345744-1MGCN	210
323115-25MGCN	208	324751-2MGCN	328	341205-25MGCN	209	344038-1MGCN	206	345747-1MGCN	210
324101-100MGCN	192	324759-1MGCN	209	341207-5MGCN	209	344039-5MGCN	206	345748-500UGCN	210
324121-100MGCN	192	324760-20MGCN	209	341207-5MGCN	235	344041-1MGCN	214	345749-25UGCN	192
324351-1GMCN	175	324761-25MGCN	209	341207-5MGCN	239	344045-1MLCN	210	345752-1MGCN	210
324355-100MGCN	175	324762-100UGCN	209	341207-5MGCN	242	344050-50UGCN	185	345754-100UGCN	210
324355-1GMCN	175	324788-10MGCN	208	341208-50UGCN	192	344079-100MGCN	210	345757-100ULCN	185
324355-25GMCN	175	324796-2UCN	209	341209-10MGCN	209	344085-10UGCN	210	345758-100ULCN	185
324355-5MGCN	175	324798-500UGCN	209	341215-1MGCN	209	344092-10MGCN	210	345759-100ULCN	185
324374-5MGCN	175	324800-100UGCN	209	341216-10MGCN	209	344095-25MGCN	210	345762-10UGCN	192
324377-50MGCN	208	324801-50UGCN	214	341220-25MGCN	209	344095-25MGCN	243	345763-10UGCN	192
324378-1MGCN	208	324813-25MGCN	225	341220-25MGCN	209	344096-10MGCN	213	345787-25MLCN	273
324380-10MGCN	170	324831-200UGCN	328	341251-1MGCN	209	344101-5MGCN	171	345788-5MGCN	190
324385-1GMCN	208	324832-5MGCN	209	341262-250UGCN	192	344145-100UGCN	192	345789-20MLCN	273
324385-25MGCN	208	324833-5MGCN	209	341262-250UGCN	185	344146-100UGCN	192	345795-500UCN	190
324390-100ULCN	184	324839-1EACN	235	341273-25UGCN	192	344149-10MG CN	210	345796-50MLCN	171
324393-100ULCN	184	324840-1MGCN	209	341274-250UGCN	192	344150-1MGCN	210	345797-25UCN	182
324396-100ULCN	184	324841-2MGCN	209	341276-1MLCN	185	344152-1MGCN	210	345798-50MLCN	171
324402-100ULCN	184	324841-2MGCN	242	341280-250UGCN	192	344154-1MGCN	210	345802-1MGCN	192
324405-100ULCN	184	324842-5MGCN	209	341283-250UGCN	192	344198-250MLCN	171	345804-2UCN	190
324408-100ULCN	184	324845-15MGCN	328	341285-100UGCN	185	344205-500MLCN	171	345805-100UGCN	210
324410-10MGCN	208	324856-100UGCN	328	341291-25MGCN	209	344206-100MLCN	171	345806-50MIUCN	190
324411-500MGCN	208	324864-1SETCN	195	341292-10TCN	195	344206-1LCN	171	345810-100GMCN	171
324412-10MGCN	208	324865-10TCN	195	341298-1KITCN	192	344215-5MGCN	210	345810-1GMCN	171
324413-10MGCN	208	324867-10TCN	195	341305-25MGCN	209	344216-5MGCN	210	345810-250MGCN	171
324414-10MGCN	208	324870-100UGCN	182	341310-5MGCN	209	344220-5MGCN	210	345810-25GMCN	171
324461-10MGCN	208	324875-25MGCN	209	341326-5MGCN	210	344270-10MGCN	210	345810-500MGCN	171
324470-5MGCN	208	324877-5MGCN	210	341329-25MGCN	210	344270-25MGCN	210	345810-5GMCN	171
324473-1MGCN	220	324878-10MGCN	210	341482-1MGCN	192	344270-50MGCN	210	345811-50ULCN	192
324483-5MGCN	209	324879-5MGCN	209	341492-25MGCN	210	344273-10MGCN	210	345812-10MLCN	171
324503-100GMCN	170	324880-10MGCN	200	341494-25MGCN	210	344273-5MGCN	210	345812-20MLCN	171
324503-1KGCN	170	324881-5UGCN	196	341501-10MGCN	210	344277-1MGCN	210	345812-50MLCN	171
324504-500MLCN	170	324886-10MGCN	209	341506-1GMCN	328	344280-10UGCN	210	345814-1GMCN	171
324506-100MLCN	170	324889-10MGCN	209	341552-1MLCN	185	344281-5MGCN	210	345815-20MLCN	171
324510-10MGCN	209	324890-1MGCN	208	341573-1GMCN	192	344282-5MGCN	210	345818-100MLCN	274
324515-5MGCN	209	324890-25MGCN	208	341576-100MGCN	192	344289-1SETCN	192	345830-100UGCN	328
324516-10MGCN	209	324890-5MGCN	208	341576-1GMCN	192	344291-10MLCN	192	345831-50UGCN	328
324517-10MGCN	209	324892-10MGCN	209	341578-500MGCN	192	344300-5MGCN	224	345832-100UGCN	328
324518-10MGCN	209	324893-1EACN	209	341583-25UGCN	328	344301-10MGCN	224	345834-20MGCN	210
324519-5MGCN	213	324894-1EACN	209	341589-25UGCN	328	344342-1GMCN	170	345834-50MGCN	210
324521-25MGCN	209	324895-5MGCN	209	341590-25UGCN	328	344355-10MGCN	210	345836-5MGCN	210
324622-1MGCN	209	324896-5MGCN	209	341595-25UGCN	328	344510-1MGCN	210	345852-50UGCN	192
324622-5MGCN	209	324897-5MGCN	213	341597-10UGCN	328	344550-250UGCN	210	345860-100UGCN	185
324623-5MGCN	209	324900-100MGCN	216	341598-10MGCN	210	344559-500UGCN	210	345862-10MGCN	211
324626-25GMCN	170	324903-25UGCN	192	341599-25UGCN	328	344580-5MGCN	210	345868-5MGCN	200
324628-10MGCN	170	324904-50UGCN	192	341600-200UGCN	192	344822-5MIUCN	182	345872-10UGCN	328
324629-5MGCN	209	324905-5MGCN	209	341601-50UGCN	328	344824-5MIUCN	182	345876-100GMCN	168
324630-10MGCN	209	325001-1MGCN	209	341607-5MGCN	210	344826-50MGCN	182	345876-25GMCN	168
324631-5MGCN	209	325885-10UGCN	194	341607-5MGCN	242	344827-10MGCN	210	345876-5GMCN	168
324673-1MGCN	209	325889-10UGCN	195	341608-5MGCN	210	344845-500UGCN	210	345878-250UGCN	210
324674-1MGCN	209	325896-10UGCN	197	341608-5MGCN	242	344847-250UGCN	210	345883-250UGCN	210
324674-1MGCN	235	325902-60UGCN	192	341609-5MGCN	210	344850-1MGCN	210	345885-250UGCN	210
324676-100UGCN	192	328000-1MGCN	209	341610-5MGCN	210	344852-1MGCN	210	345886-5GMCN	172
324681-100UGCN	192	328005-1MGCN	209	341612-1EACN	242	344905-1MGCN	171	345887-5MGCN	211
324681-50UGCN	192	328006-5MGCN	209	341631-1MGCN	328	344905-1SETCN	171	345991-5GMCN	177
324682-1000UCN	192	328007-1MGCN	209	341631-5MGCN	328	344905-250UGCN	171	345996-100UGCN	328
324682-250UCN	192	328007-1MGCN	238	341635-1MGCN	328	344905-5MGCN	171	346003-5MGCN	211
324683-500MGCN	209	328007-1MGCN	241	341635-5MGCN	328	344906-1MLCN	171	346006-5MGCN	193
324688-10MGCN	209	328008-1MGCN	209	341668-500UGCN	328	344911-1SETCN	171	346007-10MGCN	211
324691-5MGCN	209	328009-5MGCN	209	341691-25GMCN	171	344930-1MGCN	210	346021-5MGCN	211
324692-1MGCN	209	328010-500UGCN	213	342000-1MGCN	205	344931-1MGCN	210	346101-5000UCN	182
324693-250MGCN	209	328500-25MGCN	209	342000-5MGCN	205	344932-50ULCN	210	346104-10UGCN	196
324694-50MGCN	209	328501-25MGCN	209	342001-10UGCN	196	344935-5MGCN	210	346110-25MGCN	211
324696-10MGCN	209	329600-5MGCN	209	342500-5MGCN	210	344960-5MGCN	210	346125-100GMCN	170
324699-5MGCN	209	329815-25GMCN	170	343020-5MGCN	210	345250-20MGCN	175	346210-25MGCN	167
324707-100MLCN	170	329815-5GMCN	170	343021-1MGCN	210	345386-10KUCN	193	346299-100GMCN	169
324708-2UGCN	209	329871-50UGCN	192	343022-5MGCN	210	34539-1GMCN	169	346351-1KGCN	169
324712-20UCN	209	330005-1MGCN	209	343023-5MGCN	210	3455-100GMCN	170	346351-250GMCN	169
324713-50UGCN	209	3300-25GMCN	169	343209-5GMCN	210	345646-100MGCN	166	346764-1GMCN	166
324714-3UCN	209	3301-1GMCN	200	343210-1KITCN	246	345670-20MGCN	210	346764-5GMCN	166
324715-5UGCN	209	330175-1MGCN	209	34321-1GMCN	246	345700-50MGCN	210	346774-500UCN	193
324716-50MIUCN	192	330200-100UGCN	209	34321-250MGCN	246	345701-25MGCN	210	347420-1MUCN	190
324717-200MIUCN	192	330657-750PMOLCN	192	343222-1MGCN	190	345717-25MGCN	210	347423-10MGCN	203
324725-700MIUCN	192	331569-1EACN	171	343242-1MGCN	171	345724-1MGCN	210	347425-500GMCN	171
324726-200MIUCN	192	3340-25GMCN	169	343290-25MGCN	210	345731-50UGCN	192	347436-5MGCN	210

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
349254-5MGCN	219	362314-5MLCN	246	371723-50ULCN	185	375095-100KUCN	172	386698-25MGCN	213
351801-10MGCN	211	362330-100MGCN	210	371724-10MGCN	211	375095-500KUCN	172	3867-1GMCN	212
352010-10MGCN	211	362331-5MGCN	210	371725-10MGCN	211	375110-25MGCN	212	386790-100MLCN	172
353905-50MGCN	211	362338-5MGCN	211	371726-50ULCN	185	375115-100UGCN	193	386790-500MLCN	172
353919-1KITCN	246	362339-5MGCN	211	371727-50ULCN	185	375228-5UGCN	328	3870-25MGCN	170
354102-100TCN	246	3630-100GMCN	171	371729-50ULCN	185	375230-25UGCN	193	3890-1KGCN	170
354103-1KITCN	246	3640-1PCCN	170	371731-50ULCN	185	375240-25MGCN	212	389561-100UCN	193
3541-100GMCN	211	364200-1MGCN	211	371732-50ULCN	185	375368-100MLCN	172	390238-25MGCN	204
3541-1GMCN	211	364205-1MGCN	211	371739-50UGCN	193	375368-500MLCN	172	390602-2MGCN	213
3541-25GMCN	211	364205-5MGCN	211	371751-50ULCN	185	375645-10MGCN	212	390900-5MGCN	200
3541-5GMCN	211	364206-1MGCN	214	371754-50ULCN	185	375670-100UGCN	212	391333-100GMCN	172
354206-100ULCN	185	364210-1MGCN	211	371757-1KITCN	246	375680-5MGCN	212	391333-1KGCN	172
3542-1GMCN	211	364210-5MGCN	211	371758-100MGCN	211	376650-5MGCN	208	391333-500GMCN	172
3542-5GMCN	211	365250-1MGCN	211	371768-1250MGCN	193	376811-2500UCN	193	391334-100GMCN	167
354400-500MLCN	246	365250-500UGCN	211	371770-1STCN	193	376816-1MGCN	212	391334-25GMCN	167
354406-1MGCN	193	365251-500UGCN	211	371780-1MGCN	211	376817-100MGCN	212	391335-100GMCN	168
356310-1GMCN	211	365251-500UGCN	239	371806-5MGCN	212	376820-10MGCN	203	391335-1KGCN	168
356350-1000MLCN	171	365251-500UGCN	242	371818-1MGCN	211	377853-2000UCN	212	391336-100GMCN	167
356350-500MLCN	171	365252-500UGCN	211	371818-5MGCN	211	3779-1GMCN	172	391336-1KGCN	167
356352-100MLCN	171	365253-1MLCN	214	371820-1MGCN	211	3779-5GMCN	172	391338-100GMCN	172
356352-1LCN	171	3660-25GMCN	170	371822-25MGCN	211	377980-2MGCN	212	391338-10KGCN	172
356715-100GMCN	203	367222-1000UCN	193	371825-10MGCN	211	3810-100GMCN	173	391338-1KGCN	172
35675-250GMCN	203	367222-5000UCN	193	371830-10MGCN	211	3810-5GMCN	170	391338-25GMCN	172
35675-50GMCN	203	368020-25MGCN	211	371955-1MGCN	212	382061-100MGCN	168	391338-500GMCN	172
356780-50MGCN	171	368043-10UGCN	193	371957-1MGCN	215	382061-1GMCN	168	391338-5KGCN	172
356790-5GMCN	171	368044-10UGCN	193	371958-1MGCN	212	382061-250MGCN	168	391340-250GMCN	172
357002-1KGCN	171	368050-1MGCN	211	371962-1MGCN	214	382065-100MGCN	168	391340-25GMCN	172
3570-1KGCN	171	368055-1MGCN	211	371963-1MGCN	212	382110-10MGCN	212	391947-100GMCN	246
3570-500GMCN	171	368056-1MGCN	211	371963-1MGCN	240	382110-10MGCN	237	391948-100GMCN	246
359960-600UCN	193	368057-5MGCN	211	371963-1MGCN	243	382111-10MGCN	212	391948-500GMCN	246
360512-16MGCN	171	368059-1MGCN	211	371970-1MGCN	212	382113-10MGCN	212	393204-1MGCN	200
360512-5MGCN	171	368059-5MGCN	211	372022-1MGCN	193	382115-10MGCN	212	393206-100ULCN	185
3610-50MLCN	170	368067-5MGCN	211	372040-10MGCN	212	382120-25MGCN	212	393207-100ULCN	185
361311-5MGCN	171	368620-1MGCN	211	372770-1MGCN	212	382129-500UCN	172	394111-100GMCN	168
361507-1MLCN	171	368975-100GMCN	171	3730-100MLCN	170	382148-5MGCN	212	39465-100GMCN	178
361515-1MGCN	211	368975-500GMCN	171	373210-25MGCN	212	382149-1MGCN	212	39465-1KGCN	178
361515-5MGCN	211	369075-100GMCN	171	373225-5MGCN	212	382150-1MGCN	193	394675-1KGCN	178
361524-100UGCN	193	369075-1KGCN	171	373226-5MGCN	212	382150-5MGCN	193	39468-100GMCN	179
361526-5KUCN	193	369075-500GMCN	171	373227-10MGCN	217	382155-1MGCN	212	39468-1KGCN	179
361527-1SETCN	195	369079-1KGCN	171	373260-5MGCN	212	382158-50UGCN	185	397100-5MGCN	212
361540-5MGCN	211	369079-5KGCN	171	373270-10MGCN	212	382159-50UGCN	195	399250-5MGCN	175
361541-5MGCN	211	369080-100GMCN	171	373271-10MGCN	212	382160-50UGCN	185	399275-1MGCN	175
361546-1MGCN	212	369080-1KGCN	171	373272-5MGCN	172	382165-2MLCN	193	399275-5MGCN	175
361547-5MGCN	211	369334-5MGCN	200	373273-10MGCN	212	382170-10MGCN	212	399698-25GMCN	166
361548-5MGCN	211	3700-20LCN	170	373273-10MGCN	243	382172-10MGCN	212	4.85070.5000	168
361549-5MGCN	211	370625-100MGCN	212	373275-10MGCN	212	382173-5MGCN	212	4.85079.0002	178
361549-5MGCN	241	370653-10MGCN	221	373275-10MGCN	243	382175-1MGCN	212	4.86505.1000	180
361550-10MGCN	211	370654-1MGCN	223	373276-10MGCN	212	382177-50MGCN	212	4.86505.5000	180
361550-1MGCN	211	370655-1MGCN	221	373276-10MGCN	243	382180-50UGCN	193	4.86505.9010	180
361550-1MGCN	240	370655-1MGCN	240	373277-10MGCN	212	382181-10MGCN	212	4.86505.9020	180
361550-1MGCN	243	370656-50MGCN	212	373278-5MGCN	212	382184-50UGCN	193	4.86505.9100	178
361550-30MGCN	211	370660-10MGCN	212	373385-5MGCN	212	382185-2MGCN	212	4.86505.9200	180
361551-1MGCN	211	370665-25UMOLCN	200	373385-5MGCN	243	382187-5MGCN	212	400001-100ULCN	186
361552-500UGCN	214	370674-5UMOLCN	200	373386-1EACN	243	382190-5MGCN	212	400010-1MGCN	205
361553-1MGCN	211	370677-1UMOLCN	200	373400-5MGCN	212	382191-500UGCN	212	400010-5MGCN	205
361554-1MGCN	211	370679-1UMOLCN	212	373401-5MGCN	212	382192-2MGCN	212	400011-1MGCN	205
361554-5MGCN	211	370681-25MGCN	220	373401-5MGCN	243	382193-5MGCN	212	400012-5MGCN	205
361555-1MGCN	211	370690-10MGCN	228	373402-5MGCN	212	382194-10MGCN	212	400015-1MGCN	205
361555-5MGCN	211	370690-25MGCN	228	373403-2MGCN	214	382425-10MGCN	226	400035-10MGCN	211
361556-1MGCN	211	370695-1MGCN	212	373501-10MGCN	212	384620-10MGCN	212	400036-25MGCN	211
361557-5MGCN	213	370698-5MGCN	212	374000-500UGCN	212	385570-10MGCN	212	400046-5GMCN	213
361558-1MGCN	211	370700-5MGCN	212	374087-200UGCN	185	385581-10MGCN	200	400050-100MGCN	172
361559-5MGCN	211	3710-50GMCN	170	374090-100ULCN	185	385880-1MGCN	212	400050-1GMCN	172
361562-5MGCN	211	371206-10UGCN	192	374096-50UGCN	192	385898-50UGCN	193	400050-500MGCN	172
361563-5MGCN	211	371207-10UGCN	192	3741-5GMCN	172	385901-20UGCN	193	400050-5GMCN	172
361565-10MGCN	211	371208-10UGCN	192	374274-10MGCN	212	385903-20UGCN	193	400051-100KUCN	172
361566-10MGCN	211	371209-10UGCN	192	3745-5GMCN	193	385906-10MGCN	172	400051-10MUCN	172
361567-5MGCN	211	3712-1KGCN	170	374805-1GMCN	193	385908-500MGCN	172	400051-1MUCN	172
361568-10MGCN	211	371543-20MGCN	171	374805-250MGCN	193	385910-100UGCN	193	400051-5MUCN	172
361569-5MGCN	212	371545-10MGCN	212	374807-250MGCN	194	385911-50UGCN	193	400052-20MLCN	172
361570-10MGCN	211	371565-25MGCN	172	374813-25MGCN	194	385920-5MGCN	212	400052-50MLCN	172
361571-5MGCN	213	371701-250MGCN	172	374817-1GMCN	193	385931-25KUCN	193	400052-5MLCN	172
362000-10MGCN	175	371701-50MGCN	172	374817-250MGCN	193	38594-100KUCN	193	400053-20MLCN	172
362180-5MIUCN	194	371706-10MGCN	211	374817-50MGCN	193	386023-50UGCN	186	400053-5MLCN	172
362185-100UCN	194	371708-5MGCN	210	374825-25MGCN	194	386032-50UGCN	186	400060-50UGCN	185
362199-1MGCN	166	371709-25MGCN	211	374834-10GMCN	193	386040-50UGCN	186	400061-50UGCN	185
362225-100UGCN	167	371715-1MGCN	211	374858-100KUCN	172	386041-50UGCN	186	400062-50UGCN	185
362280-1KITCN	246	371720-50ULCN	185	3750-1PCCN	170	3860-5GMCN	170	400064-50UGCN	185
362300-1SETCN	194	371721-10MGCN	211	375054-10MGCN	172	386445-1KITCN	193	400076-1MGCN	213

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
400083-10MGCN	212	401590-50MGCN	177	407623-10UGCN	194	420131-1MGCN	215	422682-5MGCN	215
400084-10MGCN	212	401607-1MLCN	193	407625-5MGCN	213	420132-25MGCN	215	422686-1MGCN	194
400086-5MGCN	212	401799-1MGCN	172	407631-10UGCN	194	420132-25MGCN	236	422689-5MGCN	215
400087-10MGCN	212	401902-1MLCN	186	407652-10UGCN	194	420133-2MGCN	215	422690-10UGCN	191
400088-25MGCN	212	401905-2MLCN	193	407653-25UGCN	194	420134-2MGCN	215	422706-1MGCN	216
400089-10MGCN	212	401954-1MLCN	193	407654-5UGCN	194	420135-5MGCN	215	422708-1MGCN	216
400090-5MGCN	213	402081-1MGCN	213	407670-1MGCN	186	420135-5MGCN	242	422708-1MGCN	240
400090-5MGCN	243	402081-1MGCN	236	407673-10UGCN	194	420136-5MGCN	215	422708-5MGCN	216
400091-50MGCN	212	402085-1MGCN	213	407697-20UGCN	190	420136-5MGCN	238	422709-1MGCN	216
400092-5MGCN	213	402086-1MGCN	213	407700-5UGCN	193	420138-1EACN	236	422711-1MGCN	216
400093-10MGCN	212	402087-5MGCN	200	407707-10TCN	195	420139-5MGCN	215	422712-1MGCN	214
400109-500UGCN	193	402088-1MGCN	213	407709-50MGCN	193	420140-5MGCN	215	422720-5MGCN	216
400110-500UGCN	193	402096-1MGCN	172	407710-25GMCN	201	420141-10MGCN	215	422720-50UGCN	186
400120-2MGCN	193	402100-2MLCN	197	407711-5UGCN	193	420142-10MGCN	215	4260-100GMCN	172
400122-2MGCN	193	402176-1EACN	273	407715-5UGCN	193	420143-5MGCN	215	426100-1MGCN	216
400126-1MGCN	193	402335-2MLCN	187	407719-25GMCN	215	420144-10MGCN	215	426100-200UGCN	216
4005-500GMCN	170	4050-1KGCN	170	407721-10MGCN	217	420145-25MGCN	215	426100-400UGCN	216
400600-20MGCN	216	405210-10MGCN	213	407950-10MGCN	215	420146-10MGCN	215	426102-100UGCN	207
4008-5KGCN	170	405268-10GMCN	213	407950-5MGCN	215	420147-10MGCN	215	426205-500UCN	204
401002-10UGCN	213	405273-5MGCN	213	407950-5MGCN	215	420148-5MGCN	215	4265-20MLCN	172
401003-1GMCN	200	4055-100MLCN	170	407951-1MGCN	172	420149-25MGCN	215	427211-50KUCN	194
401006-1MGCN	213	4056-500MLCN	170	407952-10MGCN	215	420150-10MGCN	215	427217-25KUCN	194
401010-5MGCN	213	4060-50GMCN	172	407952-1MGCN	215	420151-10MGCN	215	427275-1KITCN	250
401011-500UGCN	213	406170-5MGCN	215	407952-25MGCN	215	420175-10MGCN	204	427489-500UCN	194
401020-250MGCN	213	4071-100GMCN	218	407952-10MGCN	215	420200-5MGCN	172	427572-1MGCN	216
4010-250GMCN	170	407125-25MGCN	208	407953-2MGCN	215	420201-5MGCN	215	427584-50GMCN	173
401098-2MGCN	172	407129-100UGCN	208	4100-50GMCN	170	420202-5MGCN	215	428010-5GMCN	173
4010CBC-25GMCN	172	407135-10UGCN	204	410957-1GMCN	200	420203-10MGCN	215	428015-1KGCN	177
401104-5MGCN	172	407135-1SETCN	204	410957-250MGCN	200	420205-10MGCN	212	428016-25GMCN	177
401105-10MGCN	213	407137-1MGCN	208	410960-25MGCN	215	420210-1MGCN	215	428017-100UGCN	186
401108-1MGCN	193	407140-50UGCN	186	411423-400UGCN	194	420220-10MGCN	215	428018-200MLCN	177
401111-5MGCN	174	407141-1SETCN	204	411451-400UGCN	194	420290-5GMCN	172	428019-200ULCN	186
401114-10MGCN	172	407143-100UGCN	186	411455-400UGCN	194	420291-100GMCN	172	428020-1MGCN	216
401116-2MGCN	172	407207-1KITCN	275	411483-200UGCN	194	420291-1GMCN	172	428020-5MGCN	216
401122-1MGCN	174	407240-200UGCN	328	411492-400UGCN	194	420291-5GMCN	172	428021-100UGCN	216
401123-1MGCN	174	407241-50UGCN	215	411520-1MLCN	193	420294-10MGCN	225	428023-500GMCN	177
401125-5MLCN	193	407245-50UGCN	328	411543-200UGCN	194	420297-100UGCN	214	428023-50GMCN	177
401132-1MLCN	193	407247-1MGCN	213	411550-500UGCN	194	420298-100UGCN	215	428025-40UGCN	202
401135-2MLCN	186	407247-1MGCN	241	412400-10MGCN	215	420298-100UGCN	240	428026-50UGCN	213
401152-100UGCN	193	407248-10MGCN	213	412510-10MGCN	215	420305-1MGCN	215	428029-1EACN	177
401164-100UGCN	172	407249-1EACN	241	412511-25MGCN	215	420307-50UGCN	194	428035-100ULCN	185
401211-1MLCN	193	407251-100UGCN	328	412512-25MGCN	215	420311-25GMCN	173	428150-1MGCN	216
401215-2MLCN	193	407252-100UGCN	328	412520-25MGCN	172	420311-500GMCN	173	428201-5MGCN	216
401225-2MLCN	187	407253-20UGCN	328	4160-100GMCN	173	420311-5GMCN	173	428205-1MGCN	216
401250-100UGCN	213	407254-25UGCN	328	416154-10MGCN	222	420314-5MGCN	215	428206-5MGCN	216
401251-10MGCN	213	407255-25UGCN	328	416157-1MGCN	215	420318-10MGCN	215	428207-5MGCN	216
401253-2MLCN	187	407256-50UGCN	328	416200-5MGCN	208	420320-100UGCN	216	428900-1KITCN	246
401315-2MLCN	193	407271-5MGCN	215	419700-25UGCN	194	420320-50UGCN	216	428901-1KITCN	246
401353-2MLCN	193	407272-5MGCN	215	419800-5MGCN	220	420321-100UGCN	216	429415-100GMCN	216
401393-2MLCN	193	407286-100UGCN	186	419820-5MGCN	215	420321-50UGCN	216	429700-1MGCN	194
401414-2MLCN	193	407290-500UGCN	182	419825-250MGCN	212	420322-100GMCN	172	429705-1MGCN	194
401416-2MLCN	193	407293-100KUCN	182	420092-10TCN	195	420322-10GMCN	172	429705-5MGCN	194
401442-1MLCN	193	407294-5MUCN	182	420097-500UGCN	214	420322-1GMCN	172	4310-1GMCN	171
401445-2MLCN	186	407295-50UGCN	182	420099-1MGCN	215	420322-25GMCN	172	431050-5UGCN	214
401455-2MLCN	186	407299-20KUCN	183	420099-500UGCN	215	420322-500GMCN	172	431525-100UCN	194
401459-250UGCN	194	407303-20UGCN	192	420099-500UGCN	236	420322-5GMCN	172	431784-5MGCN	173
401462-250UGCN	194	407304-10UGCN	192	420101-5MGCN	215	420323-50UGCN	214	4330-100GMCN	173
401474-1MGCN	213	407306-100UGCN	192	420104-5MGCN	215	420326-25MGCN	215	4340-5GMCN	171
401477-1MGCN	213	407313-100ULCN	186	420107-50UGCN	215	420336-5MGCN	215	434610-25MGCN	216
401478-1MGCN	213	407314-100ULCN	186	420108-100UGCN	215	420345-25MGCN	215	434625-50UGCN	216
401479-1MGCN	213	407317-100ULCN	186	420112-1MGCN	215	420350-10MGCN	213	434629-1MLCN	186
401480-1MGCN	213	407318-10UGCN	190	420116-1MGCN	215	420351-10MGCN	213	434630-1MGCN	173
401481-500UGCN	213	407318-2UGCN	190	420118-1MGCN	215	420355-100MGCN	215	434631-1MLCN	186
401482-5MGCN	213	407320-100UGCN	192	420119-25MGCN	215	420358-25MGCN	206	434636-1MLCN	186
401483-1MGCN	213	407320-20UGCN	192	420119-50MGCN	215	420360-10MGCN	216	434692-50UGCN	216
401484-500UGCN	214	407321-100UGCN	192	420119-5MGCN	215	420361-10MGCN	216	434741-20MGCN	209
401485-5MGCN	214	407325-25MGCN	215	420119-5MGCN	235	420400-50UGCN	186	435300-5MGCN	216
401486-1MGCN	213	407331-5MGCN	213	420119-5MGCN	237	420411-25GMCN	173	435800-10MGCN	216
401486-1MGCN	237	4074-2CN	169	420119-5MGCN	238	420411-5GMCN	173	435800-50MGCN	216
401487-1MGCN	213	4074-4CN	169	420119-5MGCN	240	420413-20MLCN	176	435930-10MGCN	216
401488-5MGCN	213	407601-5MGCN	215	420120-250MGCN	215	420600-50MGCN	173	436305-5GMCN	216
401489-5MGCN	213	407601-5MGCN	237	420121-10MGCN	215	420640-10MGCN	215	436390-50NMOLCN	219
401490-5MGCN	213	407602-5MGCN	214	420122-10MGCN	215	421050-5MGCN	200	437600-1MGCN	174
401491-5MGCN	213	407611-2UGCN	193	420123-1MGCN	215	421400-50ULCN	186	437620-5MGCN	216
401493-1MGCN	213	407615-5UGCN	193	420126-5MGCN	215	422000-1MGCN	215	437621-50UGCN	194
401504-2MLCN	197	407616-10MGCN	213	420127-50UGCN	213	422175-5MGCN	216	437622-50UGCN	194
4015-100GMCN	172	407616-25MGCN	213	420128-5MGCN	213	422426-25UGCN	328	437625-5MGCN	216
401515-2MLCN	185	407617-5UGCN	194	420129-5MGCN	215	422500-1MGCN	215	437627-5MGCN	216
4015-25GMCN	172	407621-5MGCN	213	420130-1MGCN	215	422625-10MGCN	215	437628-1MGCN	216

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
437629-5MGCN	216	444180-1SETCN	216	445874-5MGCN	217	475825-10MGCN	217	475989-10GMCN	174
437632-1MGCN	216	444189-1EACN	238	445888-1MGCN	217	475828-1MGCN	190	475989-1GMCN	174
437639-1KITCN	246	444190-1SETCN	216	448101-1MGCN	217	475837-5MGCN	217	475990-5MGCN	218
437641-10MGCN	194	444200-1MGCN	217	448103-5MGCN	217	475838-50MGCN	217	4760-4LCN	171
437644-10MGCN	194	444201-100GMCN	169	448104-5MGCN	207	475840-10MGCN	217	476126-500ULCN	187
437647-5MGCN	194	444201-10GMCN	169	448105-2MGCN	207	475841-50MGCN	217	476275-25MGCN	218
437650-5MGCN	216	444203-250MLCN	174	448106-5MGCN	217	475843-50MGCN	217	476300-5MGCN	218
437692-5MGCN	202	444208-5UGCN	194	4500-100GMCN	173	475846-10MGCN	217	476475-500UGCN	221
437694-50MGCN	208	444212-1MGCN	218	4510-50GMCN	171	475847-10MGCN	217	476480-500UGCN	221
437695-100ULCN	186	444213-5UGCN	194	453710-1SETCN	217	475848-2GMCN	217	476485-500UGCN	221
437707-100KUCN	194	444215-5MGCN	218	454126-100MGCN	217	475851-25MGCN	217	476495-10MGCN	221
437720-25UGCN	216	444217-5UGCN	194	454180-10MGCN	200	475855-1RCN	263	476496-5MGCN	223
437725-25UGCN	216	444218-5MGCN	218	454180-50MGCN	200	475856-10MGCN	217	479775-5GMCN	202
437996-500UCN	182	444219-1MGCN	218	454202-10MGCN	200	475857-10MGCN	217	479830-5MGCN	218
438002-250GMCN	173	444221-1MGCN	218	454428-25MGCN	217	475858-25MGCN	217	479830-5MGCN	241
438002-50GMCN	173	444224-5MGCN	218	454454-50MGCN	217	475859-25MGCN	217	479975-250GMCN	218
438075-10MGCN	216	444225-5MGCN	218	454565-1MGCN	217	475863-5MGCN	217	480001-25GMCN	175
438185-25MGCN	216	444228-1MGCN	218	454575-100MGCN	219	475863-5MGCN	238	480001-5GMCN	175
438186-5MGCN	216	444229-5UGCN	194	454578-15UGCN	188	475864-5MGCN	217	480005-250GMCN	175
438187-5MGCN	213	444231-5UGCN	194	454582-10UGCN	187	475866-1KITCN	247	480005-25GMCN	175
438190-100UGCN	186	444232-5UGCN	194	454583-100ULCN	195	475867-25MGCN	218	480010-25GMCN	175
438192-100UGCN	186	444233-5UGCN	194	454585-2MGCN	219	475870-25MGCN	218	480010-5GMCN	175
438193-5MGCN	216	444234-5UGCN	194	454586-10MGCN	219	475872-25MGCN	218	480012-1SETCN	175
438194-10MGCN	216	444235-1MGCN	218	454849-2.5UGCN	194	475874-5MGCN	217	480022-25MGCN	218
438195-10MGCN	216	444236-500ULCN	187	454850-2000UCN	194	475877-5MGCN	217	480025-500UGCN	218
438210-10MGCN	216	444237-1MGCN	218	454854-5UGCN	194	475878-10MGCN	200	480025-500UGCN	237
4400-100GMCN	173	444241-5MGCN	218	454861-5MGCN	218	475879-1MGCN	218	480026-5MGCN	218
4400-1KGCN	173	444244-10MGCN	218	454861-5MGCN	238	475879-5MGCN	218	480030-500UGCN	218
440025-5MGCN	216	444247-1MGCN	217	454862-10MGCN	218	475880-1MGCN	217	480060-5MGCN	218
440153-1MGCN	216	444248-10UGCN	194	454863-1MGCN	208	475882-1MGCN	217	480065-5MGCN	218
440154-100MGCN	216	444249-1MGCN	218	454870-10MGCN	216	475886-100MGCN	218	480066-5MGCN	218
440165-10MGCN	216	444250-10MGCN	217	4550-50GMCN	171	475886-25MGCN	218	480073-25MGCN	217
440202-10MGCN	216	444251-1MGCN	218	4555-500GMCN	171	475886-50MGCN	218	480100-20MLCN	175
440202-25MGCN	216	444252-1MGCN	218	457250-1GMCN	217	475889-5MGCN	217	4801-25GMCN	175
440202-5MGCN	216	444255-1SETCN	217	459616-25UGCN	219	47589-2MGCN	174	480150-5MGCN	223
440202-5MGCN	234	444256-500UGCN	217	459618-50UGCN	219	475893-100GMCN	174	480275-100UGCN	328
440202-5MGCN	235	444258-1MGCN	218	459620-25UGCN	219	475893-10KGCN	174	480352-10UGCN	329
440202-5MGCN	236	444264-1MGCN	217	4610-100MLCN	171	475893-1KGCN	174	480354-100UGCN	329
440202-5MGCN	240	444270-100UGCN	194	462711-100GMCN	217	475893-500GMCN	174	480401-1MGCN	219
440202-5MGCN	242	444274-500UGCN	218	4650-500MLCN	171	475894-100GMCN	174	480402-500UGCN	219
440203-1MGCN	216	444278-500UGCN	218	466220-100MGCN	225	475894-1KGCN	174	480403-5MGCN	219
440203-1MGCN	234	444282-1MGCN	218	4670-4LCN	171	475895-250MGCN	218	480404-2MGCN	219
440204-1MGCN	214	444283-1MGCN	218	4700-1GMCN	171	475897-100MGCN	218	480415-10MGCN	219
440205-25MGCN	216	444284-5MGCN	218	4705-5GMCN	171	475898-100GMCN	174	480418-5MGCN	219
440205-5MGCN	216	444285-500UGCN	218	4710-5GMCN	171	475898-10KGCN	174	480420-10MGCN	219
440206-5MGCN	216	444286-5MGCN	218	472804-10MGCN	225	475898-1KGCN	174	480450-1MGCN	219
440319-50UGCN	194	444287-5UGCN	194	4730-25GMCN	171	475898-500GMCN	174	480457-10MGCN	219
4403-1GMCN	174	444288-5MGCN	218	474422-50MGCN	217	475899-100GMCN	174	480458-5MGCN	219
440345-1MGCN	174	444289-5MGCN	216	474426-100MGCN	200	475899-1KGCN	174	480703-10MGCN	218
4403-5GMCN	174	444290-2MGCN	217	474427-100MGCN	200	475901-10UGCN	194	480706-50MIUCN	182
4410-10MLCN	171	444291-5MGCN	218	474500-5MGCN	217	475904-100GMCN	273	480708-500MIUCN	182
441201-10KUCN	174	444293-10MGCN	218	474502-250MGCN	217	475911-100UGCN	194	480716-250MIUCN	182
441201-50KUCN	174	444294-10MGCN	218	474700-50MGCN	217	475913-100MGCN	218	480743-10MGCN	219
441251-10MGCN	201	444295-25MGCN	218	474705-5MGCN	217	475913-500MGCN	218	480744-5MGCN	219
441251-1MGCN	201	444300-1GMCN	217	474780-5MGCN	217	475914-1GMCN	219	480746-5MGCN	219
442610-10KUCN	194	444605-250UGCN	174	474787-10MGCN	217	475914-5GMCN	219	480747-10MGCN	219
442611-100GMCN	174	444800-100MGCN	217	474788-10MGCN	214	475915-1MLCN	187	480748-5MGCN	219
442611-500GMCN	174	444805-10MGCN	217	474790-10MGCN	217	475916-100MLCN	174	480850-10MGCN	219
442615-500GMCN	174	444810-1KITCN	265	474790-1MGCN	217	475919-1KITCN	250	480870-10MGCN	219
442630-100MGCN	246	444896-1MGCN	216	474790-1MGCN	237	475921-50MGCN	176	481001-1MLCN	187
442640-25MGCN	217	444898-1MGCN	174	474790-20MGCN	217	475922-100GMCN	174	4810-500GMCN	171
442685-100ULCN	195	444905-100UGCN	186	474790-5MGCN	217	475935-10UGCN	194	481406-1MGCN	219
442704-200ULCN	186	444937-1MGCN	217	474790-5MGCN	243	475938-10UGCN	194	481407-1MGCN	213
442706-1SETCN	195	444937-5MGCN	217	474791-1MGCN	214	475941-1KUCN	194	481408-5MGCN	219
443300-500MGCN	217	444938-5MGCN	217	474791-5MGCN	214	475944-1GMCN	218	481409-10UGCN	196
443713-5GMCN	174	444939-1MGCN	217	4750-1LCN	171	475949-5MGCN	218	481411-5MGCN	219
443907-100GMCN	169	444939-1MGCN	238	475250-5MGCN	200	475951-25MGCN	218	481412-10MGCN	219
443907-500GMCN	169	444939-5MGCN	217	475701-20UGCN	194	475954-10MGCN	218	481413-10UGCN	190
4440-100GMCN	170	444965-5MGCN	217	475702-10UGCN	194	475956-10MGCN	207	481414-5MGCN	219
444100-50MGCN	170	444966-5MGCN	217	475703-10MGCN	218	475957-10MGCN	207	481417-5MGCN	207
444105-100UGCN	186	444967-5MGCN	217	475741-10MGCN	216	475958-20MGCN	207	481418-2MGCN	218
444143-1MGCN	217	444968-5MGCN	213	475814-25UGCN	217	475964-10MGCN	217	481480-1MGCN	219
444144-10MGCN	217	4450-500MLCN	170	475815-500UGCN	217	475965-10MGCN	207	481480-500UGCN	219
444145-10MGCN	217	445800-25MGCN	217	475816-250UGCN	217	475980-1MGCN	218	481480-500UGCN	237
444151-1MGCN	213	445820-5MGCN	217	475818-25UGCN	217	475981-5MGCN	217	481486-500UGCN	219
444152-5MGCN	217	445821-5MGCN	217	475820-10MGCN	174	475984-5MGCN	218	481487-1EACN	237
444155-10MGCN	217	445825-100MGCN	208	475821-250UGCN	214	475986-5MGCN	218	481907-100GMCN	175
444158-10MGCN	217	445835-10MGCN	217	475823-100UGCN	190	475987-10UGCN	194	481908-2MGCN	219
444170-1MGCN	216	445865-1MGCN	217	475823-250UGCN	190	475988-5MGCN	218	481909-1GMCN	219

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
481911-10GMCN	175	489475-50UGCN	186	5.09290.0004	171	513001-1MLCN	214	523121-1EACN	195
481911-5GMCN	175	489476-10GMCN	216	5.09290.0005	171	513020-500UGCN	220	523310-10GMCN	223
481913-1GMCN	175	489477-5GMCN	216	5000-5GMCN	176	513022-5GMCN	220	52332-1GMCN	221
481913-500GMCN	175	489478-10GMCN	216	500095-1KITCN	247	513024-5GMCN	220	52332-25GMCN	221
481915-1GMCN	175	489479-10GMCN	216	500105-100GMCN	176	513028-5GMCN	220	52332-5GMCN	221
481918-100GMCN	175	490070-5GMCN	219	500105-10GMCN	176	513030-1GMCN	220	523350-25GMCN	223
481920-50GMCN	218	491002-1GMCN	219	500106-2MGCN	220	513033-1GMCN	220	524371-10GMCN	247
481925-5UCN	194	491207-10GMCN	219	5010-1KGCN	171	513033-1GMCN	235	524371-1GMCN	247
481971-100GMCN	175	491207-1GMCN	219	5020-10KGCN	171	513035-500UGCN	220	524390-1GMCN	176
481971-1GMCN	175	492000-10GMCN	219	5030-5KGCN	171	513036-500UGCN	214	524390-5GMCN	176
481971-500GMCN	175	492002-10GMCN	219	506101-2MGCN	220	513040-1GMCN	220	524394-1GMCN	200
481971-5GMCN	175	492016-1000MLCN	175	506102-2MGCN	220	513050-5GMCN	220	524394-5GMCN	200
481972-100GMCN	175	492016-100MLCN	175	506106-25GMCN	220	513100-500GMCN	208	524400-10GMCN	221
481972-1GMCN	175	492016-500MLCN	175	506106-5GMCN	220	5140-1KGCN	171	524400-1GMCN	221
481973-100GMCN	175	492018-500MLCN	175	506106-5GMCN	239	5150-5KGCN	171	524400-25GMCN	221
481973-1GMCN	175	492018-50MLCN	175	506121-1SETCN	187	516090-100GMCN	176	516000-5GMCN	221
481973-25GMCN	175	492027-25UGCN	195	506114-200UCN	195	516104-20MLCN	176	524403-25GMCN	222
481973-500GMCN	175	492028-50UGCN	195	506119-10TCN	187	516106-20MLCN	176	524488-200GMCN	221
481973-500GMCN	175	492029-50UGCN	195	506121-1GMCN	220	5161-100MUCN	176	524529-1KUCN	196
481974-200UGCN	194	492030-5GMCN	219	506123-200ULCN	187	5161-25MUCN	176	524545-100UCN	196
481975-100GMCN	200	492031-10GMCN	219	506126-500UGCN	220	516355-25UGCN	196	524572-1KUCN	196
481981-250GMCN	219	492035-5GMCN	219	506132-10GMCN	221	516360-2.5GMCN	220	524572-5KUCN	196
481984-500GMCN	219	492040-25GMCN	219	506132-5GMCN	221	516360-500GMCN	220	524604-100UCN	196
481990-10GMCN	219	492041-25GMCN	219	506134-10GMCN	221	516481-100GMCN	221	524611-5GMCN	221
481990-5GMCN	219	492042-10GMCN	219	506148-1GMCN	214	516481-25GMCN	221	524615-100UGCN	221
482100-10GMCN	216	492899-15KUCN	176	506149-1GMCN	220	516481-5GMCN	221	524617-250GMCN	216
482200-25GMCN	219	492905-25GMCN	219	506153-10GMCN	220	516483-1GMCN	221	524618-10GMCN	221
482210-5GMCN	219	493800-5GMCN	220	506154-5GMCN	221	516485-1GMCN	221	524619-25GMCN	221
482251-1UGCN	219	494105-25GMCN	219	506155-10GMCN	221	516531-25KUCN	176	524624-1SETCN	232
482650-1KITCN	247	494126-100UGCN	210	506156-1GMCN	220	516531-5KUCN	176	524625-1SETCN	232
482655-1KITCN	247	494127-100UGCN	210	506156-1GMCN	238	516535-5GMCN	221	524627-1MLCN	232
482700-1KITCN	247	494128-1GMCN	219	506157-5GMCN	220	516557-100ULCN	188	524627-1SETCN	232
482702-1KITCN	247	494459-100GMCN	175	506158-10GMCN	220	516560-50UGCN	221	524628-1MLCN	232
482728-100ULCN	186	494459-1GMCN	175	506161-2MGCN	220	516561-50UGCN	221	524628-1SETCN	232
482740-10GMCN	219	494459-25GMCN	175	506163-5GMCN	220	516562-50UGCN	221	524629-1MLCN	232
482777-50UCN	194	494459-500GMCN	175	506164-5GMCN	218	516566-50GMCN	222	524629-1SETCN	232
483125-100GMCN	218	494459-5GMCN	175	506165-10UGCN	195	516567-10GMCN	222	524631-1MLCN	232
483125-100GMCN	239	494460-1GMCN	175	506166-5GMCN	220	516568-10GMCN	222	524631-1SETCN	232
483400-100GMCN	200	494460-250GMCN	175	506168-25GMCN	220	516569-10GMCN	222	524632-1MLCN	232
4840-5KGCN	171	494460-5GMCN	175	506169-1EACN	213	516570-2MGCN	222	524632-1SETCN	232
484100-10GMCN	219	494461-5GMCN	175	506170-25GMCN	220	516571-25GMCN	222	524633-1MLCN	232
484235-1GMCN	222	494466-5GMCN	175	506171-10UGCN	196	516620-1SETCN	221	524636-1SETCN	232
484235-250GMCN	222	495320-10GMCN	219	506172-10GMCN	220	516640-1GMCN	221	524644-100UGCN	216
484400-5GMCN	219	495414-1SETCN	200	506173-10GMCN	220	516641-200UGCN	221	524644-1GMCN	216
4860-25KGCN	171	495414-25GMCN	200	506181-500UGCN	220	516678-50UGCN	182	524650-1EACN	176
4870-50KGCN	171	495414-5GMCN	200	506190-10GMCN	220	516705-500GMCN	220	524653-1EACN	176
487052-1GMCN	222	495417-25GMCN	219	506274-5GMCN	220	516724-100GMCN	176	524715-50ULCN	196
48712-1GMCN	220	4954-1GMCN	219	506281-10GMCN	220	516724-500GMCN	176	524718-1SETCN	221
48712-5GMCN	220	495455-10GMCN	219	506282-10GMCN	220	516726-1SETCN	176	524731-10UCN	196
487500-1GMCN	222	495604-100UGCN	219	506345-100GMCN	220	516798-25GMCN	196	524733-10UCN	196
487506-1GMCN	222	495604-25UGCN	219	506345-25GMCN	220	516852-40UGCN	221	524734-10UCN	196
487506-5GMCN	222	495604-500UGCN	219	506350-2MGCN	195	516854-10UGCN	221	524736-10UCN	196
487507-1GMCN	222	495609-25UGCN	213	506600-10GMCN	220	517301-10GMCN	221	524738-10UCN	196
487600-1EACN	222	495620-1GMCN	219	507858-10GMCN	195	517310-500ULCN	188	524739-10UCN	196
4876-1GMCN	222	495620-5GMCN	219	507858-1GMCN	195	517312-500ULCN	188	524742-10UCN	196
487655-5GMCN	222	495621-5GMCN	220	507858-50GMCN	195	5202-100GMCN	174	524743-100UGCN	197
4876-5GMCN	222	495624-5GMCN	214	507858-5GMCN	195	520219-10GMCN	222	524744-100UGCN	247
487663-10MLCN	176	496000-250UGCN	214	507861-25MLCN	195	520222-25GMCN	222	524748-5GMCN	220
487664-500MLCN	222	496100-50GMCN	220	507861-50MLCN	195	520222-5GMCN	222	524750-1EACN	178
487666-1EACN	222	496150-10GMCN	220	507862-1GMCN	195	520224-1GMCN	222	524751-10UCN	196
487870-1GMCN	222	496260-10UGCN	195	507862-5GMCN	195	521000-250GMCN	221	524753-1EACN	178
487910-1SETCN	200	496265-25GMCN	220	511071-2MGCN	220	521200-1UGCN	329	524810-100UCN	196
487910-20GMCN	200	496915-5GMCN	220	511075-1GMCN	222	521215-10UGCN	329	525143-500UGCN	207
487920-10GMCN	225	497985-10GMCN	220	511075-5GMCN	222	521220-10UGCN	329	525143-500UGCN	239
487920-1SETCN	225	499050-100UGCN	195	5120-250GMCN	171	521225-10UGCN	329	525145-1GMCN	225
487920-50GMCN	225	499250-50UGCN	195	512533-25GMCN	217	521231-1GMCN	220	525185-10GMCN	221
487923-50UGCN	187	499260-50UGCN	195	5125-50GMCN	220	521232-1GMCN	220	525186-250UCN	196
487928-10GMCN	219	4995-1GMCN	220	512585-100UGCN	195	521233-1GMCN	220	525188-50UGCN	196
487929-10GMCN	214	499609-1GMCN	200	512731-5GMCN	176	521234-1GMCN	220	525189-50UGCN	196
487950-10GMCN	219	499610-1GMCN	200	512732-50GMCN	220	521235-5GMCN	220	525200-250UCN	196
487952-10GMCN	219	499610-1GMCN	237	512743-50UGCN	220	521236-5GMCN	220	525276-5GMCN	221
487955-10GMCN	219	499610-1GMCN	240	513000-10GMCN	220	521237-5GMCN	220	525282-1KITCN	247
487957-10GMCN	219	499635-10GMCN	220	513000-25GMCN	220	521238-10GMCN	220	525288-1KITCN	247
487960-1GMCN	219	499643-500GMCN	175	513000-5GMCN	220	521270-5UGCN	196	525290-100UGCN	195
488004-10GMCN	219	5.00486.0001	207	513000-5GMCN	235	521275-5GMCN	220	525295-100UGCN	195
488230-1GMCN	219	5.00582.0001	214	513000-5GMCN	237	521275-5GMCN	234	525320-100UGCN	195
488250-1KITCN	273	5.09290.0001	171	513000-5GMCN	238	521275-5GMCN	237	525322-1KITCN	247
488285-1GMCN	175	5.09290.0002	171	513000-5GMCN	241	521276-5GMCN	220	525330-25GMCN	221
489350-100GMCN	216	5.09290.0003	171	513000-5GMCN	242	521726-100UGCN	196	525331-10GMCN	221

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
526520-5MGCN	221	528906-10MGCN	176	537088-5KUCN	222	539508-1UGCN	196	540411-100MGCN	177
526521-1MGCN	221	5291-1GMCN	176	5380-100GMCN	172	539508-5UGCN	196	540411-25MGCN	177
526522-5MGCN	221	5291-500MGCN	176	538540-100UGCN	194	539509-100ULCN	188	540500-1MGCN	223
526523-5MGCN	221	5291-5GMCN	176	538903-1MGCN	222	539510-1UGCN	196	544049-5MGCN	223
526524-5MGCN	221	529313-1MGCN	176	538904-1MGCN	222	539513-200NGCN	196	5450-5KGCN	173
526526-10MGCN	221	529505-10MGCN	222	538907-1MGCN	222	539514-20KUCN	196	545060-25GMCN	177
526527-10MGCN	221	5295-100GMCN	176	538909-1MGCN	222	539515-1MGCN	196	545068-5GMCN	177
526528-10MGCN	221	529531-10MGCN	221	538916-1MGCN	200	539515-2MGCN	196	548000-100MGCN	200
526529-10MGCN	221	529542-2MGCN	223	538925-1MGCN	222	539521-100ULCN	188	550601-25MGCN	223
526559-5MGCN	221	529543-1KGCN	176	538927-1MGCN	200	539522-5MGCN	221	550602-10MGCN	221
526560-5MGCN	221	529543-250GMCN	176	538944-1MGCN	227	539530-100ULCN	188	550701-100UCN	196
526561-5MGCN	221	529552-1KGCN	176	5390-1KGCN	172	539542-5MGCN	221	551476-1MGCN	214
526610-5UGCN	329	529552-250GMCN	176	539053-5TCN	274	539560-500UGCN	223	551476-5MGCN	214
527450-5MGCN	221	529567-1KGCN	173	539109-1MGCN	220	539562-500UGCN	221	551590-5MGCN	223
527451-5MGCN	214	529567-250GMCN	173	539109-5MGCN	220	539568-5000UCN	196	551600-100MGCN	223
527455-10MGCN	222	529568-1KGCN	176	539122-5MGCN	247	539569-50UGCN	196	551826-50MGCN	177
527460-10TCN	195	529568-250GMCN	176	539124-1SETCN	222	539571-5MGCN	214	551850-100MGCN	223
527621-10UCN	196	529573-1MGCN	222	539125-1KITCN	247	539572-1SETCN	224	552095-25UGCN	197
527622-1MGCN	196	529573-1MGCN	235	539128-1SETCN	231	539573-1SETCN	223	552101-100ULCN	188
527624-10UCN	196	529573-1MGCN	236	539129-1MLCN	231	539576-25UGCN	196	552108-50ULCN	188
527948-1MGCN	221	529573-1MGCN	239	539131-10VLCN	230	539578-4UGCN	196	552126-50ULCN	188
527962-100MGCN	176	529573-1MGCN	240	539131-1VLCN	230	539582-1MGCN	223	552233-100MGCN	223
527962-1GMCN	176	529573-1MGCN	242	539132-1SETCN	230	539604-500UGCN	221	553003-500UGCN	214
528100-1MGCN	221	529573-5MGCN	222	539132-5SETCN	230	539610-500UGCN	221	553008-1MGCN	223
528100-1MGCN	234	529574-1MGCN	222	539133-1VLCN	231	539620-250NGCN	222	553009-10TCN	195
528100-1MGCN	239	529576-1MGCN	214	539133-1SETCN	231	539624-500UGCN	221	553014-1MGCN	223
528100-1MGCN	241	529577-1MGCN	176	539134-1MLCN	230	539630-1SETCN	223	553014-1MGCN	238
528100-5MGCN	221	529578-10MGCN	222	539134-1SETCN	230	539636-500UGCN	221	553015-1MGCN	223
528101-2MGCN	214	529579-1MGCN	222	539136-1MLCN	230	539638-100UGCN	223	553016-5MGCN	223
528105-100MGCN	221	529581-1MGCN	222	539136-1SETCN	230	539644-500UGCN	227	553018-5MGCN	223
528106-5MGCN	221	529582-5MGCN	222	539137-10VLCN	231	539648-1MGCN	225	553030-25MGCN	223
528106-5MGCN	234	529583-1MGCN	196	539137-1MLCN	231	539649-5MGCN	221	553031-10MGCN	223
528108-5MGCN	221	529584-5MGCN	223	539138-1MLCN	231	539652-2MGCN	221	553210-100UGCN	223
528108-5MGCN	234	529598-10MGCN	222	539138-1SETCN	231	539654-500UGCN	221	553210-100UGCN	234
528110-50MGCN	176	529599-10MGCN	222	539141-5MGCN	223	539654-500UGCN	241	553210-100UGCN	235
528111-5MGCN	221	529600-100MLCN	176	539142-5MGCN	223	539655-20UGCN	196	553210-100UGCN	240
528111-5MGCN	234	529605-1MGCN	214	539149-5MGCN	223	539660-20UGCN	196	553210-100UGCN	241
528112-5MGCN	221	529606-1MGCN	214	539154-10UGCN	182	539672-5UGCN	196	553210-10MGCN	223
528113-1MGCN	221	529625-1MGCN	222	539158-1KITCN	246	539677-5UGCN	196	553210-1MGCN	223
528114-5MGCN	221	529627-10MGCN	222	539160-1MGCN	222	539684-1MGCN	223	553210-5MGCN	223
528116-5MGCN	221	529659-10MGCN	222	539160-5MGCN	222	539690-25MGCN	223	553211-1MGCN	214
528116-5MGCN	234	529685-200UGCN	222	539161-5MGCN	214	539695-10MGCN	222	553211-500UGCN	214
528117-5MGCN	221	530006-100UGCN	196	539162-1MGCN	222	539720-1KITCN	266	553212-1MGCN	214
528118-5MGCN	221	530007-10MGCN	222	539162-5MGCN	222	539722-1KITCN	269	553215-1LCN	177
528119-5MGCN	221	530050-10MGCN	222	539163-100UGCN	222	539723-1KITCN	269	553325-100UGCN	197
528120-10MGCN	221	530070-5MGCN	222	539164-1SETCN	222	539732-200UCN	196	553326-10MGCN	223
528121-5MGCN	221	5310-100GMCN	172	539165-1SETCN	222	539734-2000UCN	196	553400-500UGCN	177
528122-5MGCN	221	5320-500GMCN	172	539166-100ULCN	182	539735-50UGCN	196	553500-10UGCN	329
528124-25MGCN	221	5330-1KGCN	172	539175-5MGCN	222	539736-1KITCN	247	553502-10MGCN	223
528131-100GMCN	176	5339745-1EACN	229	539176-1KITCN	247	539741-5MGCN	223	553502-5MGCN	223
528150-1MGCN	220	5340-5KGCN	172	539180-1KITCN	267	539743-1EACN	229	553502-5MGCN	242
528150-5MGCN	220	5341-25GMCN	222	539183-100UGCN	222	539744-1EACN	229	553504-10KUCN	197
528151-2MGCN	214	535140-1MLCN	230	539185-10MGCN	223	539747-1EACN	213	553506-50UGCN	197
528175-120UCN	196	535140-1SETCN	230	539187-25MGCN	222	539749-2MGCN	214	553508-5MGCN	214
528178-50UCN	196	535141-1MLCN	231	539195-1SETCN	231	539779-1KITCN	266	553509-10MGCN	223
528180-1MGCN	196	535141-1SETCN	231	539196-1SETCN	231	539790-1KITCN	264	553510-10MGCN	223
528185-1MGCN	196	535142-1MLCN	230	539202-5MGCN	196	539791-1KITCN	264	553511-10MGCN	223
528201-10MGCN	222	535142-1SETCN	230	539209-5MGCN	223	539808-10MGCN	222	553512-10MGCN	214
528205-50UGCN	222	537000-5MGCN	222	539211-50MGCN	223	539832-100UGCN	196	553513-10MGCN	223
528208-50UGCN	222	537009-50UGCN	196	539212-2MGCN	223	539834-100UGCN	196	553514-10MGCN	223
528213-50UGCN	222	5370-100GMCN	174	539214-10MGCN	222	539844-125UCN	193	553525-25MGCN	223
528215-100UGCN	188	537011-5MGCN	222	539215-100UGCN	177	540020-1MGCN	222	553571-50UGCN	188
528217-100UGCN	188	537012-5MGCN	222	539218-10UGCN	177	540025-50MLCN	176	553590-2UGCN	214
528240-1MGCN	176	53702-10KUCN	222	539229-50ULCN	188	5400-5KGCN	172	553730-100ULCN	188
528244-250UGCN	176	53702-250KUCN	222	539251-1MGCN	196	540200-10MGCN	223	553850-100UGCN	188
528245-5MGCN	222	53702-25KUCN	222	539253-1MGCN	196	540210-10MGCN	223	553901-150MIUCN	197
528281-10MGCN	222	53703-1MGCN	222	539303-1MGCN	196	540211-10MGCN	223	5539746-1EACN	229
528282-5MGCN	222	53702-50KUCN	222	539303-5MGCN	196	540213-10MGCN	223	554325-25MGCN	223
528283-2MGCN	222	537059-100MGCN	177	539305-500UGCN	196	540215-5MGCN	223	554328-25MGCN	223
528284-500UGCN	222	537059-1GMCN	177	539322-500UGCN	196	540216-10MGCN	223	554340-10MGCN	223
528315-100GMCN	176	537059-250MGCN	177	539406-100UGCN	177	540217-5MGCN	223	554412-1MGCN	226
528815-100ULCN	188	537059-50MGCN	177	539470-10MGCN	223	540218-10MGCN	216	554715-25MGCN	223
528822-5MGCN	220	537060-5MLCN	177	539480-100MGCN	223	540220-20MGCN	223	554716-10MGCN	223
528824-10MGCN	220	537075-100MGCN	200	539480-25MGCN	223	540220-5MGCN	223	554717-5MGCN	223
528825-5MGCN	220	537076-2MGCN	222	539481-100KUCN	196	540220-5MGCN	243	554718-5MGCN	223
528875-25GMCN	176	537088-100KUCN	222	539482-50UGCN	196	540221-1MGCN	196	554720-500MGCN	179
528877-100GMCN	176	537088-10KUCN	222	539483-100UGCN	196	540222-100MGCN	177	554723-25MGCN	203
528877-1KGCN	176	537088-25KUCN	222	539493-100UCN	196	540222-25MGCN	177	554726-25MGCN	223
528884-5MGCN	222	537088-50KUCN	222	539494-50ULCN	196	540223-5MGCN	214	554994-10MGCN	223

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
554995-10MGCN	223	559389-5MGCN	224	566227-100MIUCN	182	567706-100MGCN	225	573113-1KGCN	178
555460-25MGCN	223	559393-1MGCN	224	566310-100UGCN	189	567707-10UCN	197	573113-5KGCN	178
555466-25UGCN	197	559395-10MGCN	224	566313-10MGCN	224	567715-1MGCN	219	573114-100MGCN	275
555550-1MGCN	223	559395-1MGCN	224	566320-5MGCN	224	567726-10MGCN	208	573114-50MGCN	275
555550-5MGCN	223	559396-500UGCN	224	566321-1MGCN	214	567727-1MGCN	208	573115-50MGCN	275
555551-5MGCN	223	559397-1MLCN	214	566322-5MGCN	224	567731-10MGCN	225	573121-10MGCN	225
555552-500UGCN	214	559398-1MLCN	214	566323-5MGCN	224	567732-10MGCN	225	573125-10MGCN	225
555553-10MGCN	223	559399-1MGCN	224	566324-5MGCN	224	567733-1MGCN	224	573126-25MGCN	225
555554-1MGCN	223	559400-1MGCN	224	566325-500UGCN	224	567733-5MGCN	224	573127-5MGCN	225
555555-5MGCN	223	559402-1MGCN	224	566326-5MGCN	224	567734-10MGCN	224	573128-10MGCN	225
555556-5MGCN	223	559404-500UGCN	224	566327-10MGCN	224	567735-10MGCN	225	573129-5MGCN	214
555558-25MGCN	223	559405-1MGCN	224	566328-1KITCN	246	567737-5MGCN	224	573130-5MGCN	214
555562-10MGCN	223	559406-1MGCN	224	566330-10MGCN	224	567741-5MGCN	225	573131-10MGCN	225
555580-10MGCN	177	559406-5MGCN	224	566331-10MGCN	224	567750-5MGCN	225	573132-10MGCN	225
555682-10MGCN	177	559410-10MGCN	224	566332-10MGCN	224	5677-5GMCN	177	573462-25MGCN	225
55674-10KUCN	247	559418-100MGCN	224	566380-10MLCN	195	567780-2PACKCN	178	5737-1KGCN	178
55674-50KUCN	247	560000-10MLCN	177	566400-5MLCN	195	567805-1MGCN	225	573822-50ULCN	189
556746-10KUCN	247	560000-1SETCN	177	566405-1MGCN	225	567806-5MGCN	225	574102-5MGCN	225
556746-50KUCN	247	561300-50UGCN	328	566415-50ULCN	195	567809-1MGCN	225	574215-25MGCN	207
556770-25MGCN	224	561303-50UGCN	329	566460-5MLCN	195	567860-10MGCN	225	574590-1KITCN	247
556881-2500UCN	224	561306-50UGCN	329	566660-1MGCN	225	568500-5MGCN	225	574591-100UGCN	197
55714-1GMCN	177	561505-10GMCN	174	566660-1MGCN	243	569371-250MGCN	225	574594-50KUCN	197
55714-250MGCN	177	561505-1GMCN	174	566660-5MGCN	225	569372-100UGCN	195	574596-1MLCN	189
557303-1GMCN	177	561505-250MGCN	174	566661-500UGCN	214	569385-500UGCN	225	574597-1MLCN	189
557303-5MGCN	177	563080-2MGCN	224	566701-250UGCN	197	569388-100ULCN	189	574601-1KITCN	247
557305-250MGCN	224	564702-100ULCN	189	566807-1SETCN	195	569391-100ULCN	189	574625-200MGCN	225
557324-50MGCN	224	565000-1VLCN	231	567020-50MGCN	224	569393-500UGCN	225	574625-50MGCN	225
557330-5MGCN	224	565000-5VLCN	231	567021-50MGCN	224	569396-500UGCN	214	574660-50UGCN	189
557352-10MGCN	224	5650-100GMCN	174	567021-5MGCN	224	569397-100UGCN	225	574661-10MGCN	225
557353-5MGCN	224	565190-500UGCN	197	567022-5MGCN	214	569397-1MGCN	225	574662-10MGCN	225
557354-5MGCN	224	565191-1MLCN	189	567028-20MGCN	224	569397-250UGCN	225	574711-5MGCN	226
557360-1MGCN	224	565610-5MGCN	224	567051-2MGCN	172	569398-100GMCN	225	574712-1MGCN	226
557360-5MGCN	224	565625-1MGCN	224	567060-500UGCN	224	569398-25GMCN	225	574713-50MGCN	226
557362-1MGCN	224	565725-5MGCN	224	567152-25GMCN	203	569399-10MGCN	200	574714-2MGCN	226
557364-5MGCN	214	565730-5MGCN	224	567152-5GMCN	203	569404-2MLCN	197	574715-2MGCN	226
557366-10MGCN	224	565740-1MGCN	201	567300-1GMCN	224	569600-10UGCN	329	574775-500UGCN	226
557366-10MGCN	224	565749-1MGCN	204	567305-5MGCN	225	569615-10MGCN	225	574776-10UGCN	226
557370-10MGCN	224	565749-5MGCN	204	567310-5MGCN	225	569744-1EACN	225	574777-10UGCN	189
557403-10MGCN	224	565750-1MGCN	211	567333-200NMOLCN	225	570100-5MGCN	225	574778-50ULCN	189
557404-5MGCN	214	565755-1MGCN	211	567365-100UGCN	189	570250-5MGCN	225	574788-1SETCN	189
557440-1MGCN	224	565758-1MGCN	204	567370-5MGCN	225	5710-50GMCN	172	574793-1LCN	178
557440-1SETCN	224	565761-1MGCN	211	567375-1MGCN	225	5711-100GMCN	178	574795-1LCN	178
557446-500UGCN	224	565763-5MGCN	211	567417-10MGCN	225	5720-500GMCN	172	574796-2PACKCN	178
557450-250MGCN	224	565764-1MGCN	211	567418-500GMCN	177	572201-1GMCN	178	574797-1LCN	178
557451-10MGCN	224	565765-1MGCN	210	567422-100MLCN	177	572201-250MGCN	178	574799-5MGCN	178
557502-100MGCN	224	565767-1MGCN	203	567430-250MGCN	225	572300-10UGCN	329	575001-200UGCN	190
557508-1MGCN	224	565770-10MGCN	211	567440-1KGCN	177	572630-1MGCN	225	575003-200UGCN	190
557514-1MGCN	224	565770-5MGCN	211	567440-500GMCN	177	572630-2MGCN	225	575143-100ULCN	195
557520-500UGCN	224	565771-250UGCN	213	567441-500GMCN	177	572630-500UGCN	225	575303-5MGCN	226
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559389-1MGCN	239	566224-10MGCN	224	567704-250MIUCN	197	573113-0.5KGCN	178	580556-5MGCN	220

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
580559-20NMOLCN	220	610101000041730	14	610667400011730	31	612120800021730	40	612663070501730	50
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Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
616109500021730	98	620100275001730	72	623110275001730	62	640501300011730	88	654271-2MGCN	217
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616400-10MGCN	226	622120900011730	67	626105300011730	103	650275-500UGCN	227	662088-10MGCN	227
616403-500UGCN	226	622122300041730	67	626105300021730	103	650277-1SETCN	227	662089-10MGCN	227
616404-1MGCN	226	622123900011730	101	626107000011730	102	650279-1SETCN	227	662091-50UGCN	197
616407-1MGCN	226	622160100021730	61	626108900011730	107	650297-1MLCN	189	662098-50UGCN	197
616419-10MGCN	197	622160300011730	61	626109700011730	105	650345-1MGCN	227	662099-50ULCN	190
616420-100MGCN	197	622160500011730	61	626110600011730	106	65035-100MGCN	227	662105-25MGCN	227
616424-100MGCN	197	622160600011730	60	626112200011730	101	65035-1GMCN	227	662107-25MGCN	227
616430-100UGCN	329	622160700011730	60	626114500011730	107	650357-100MGCN	227	662116-1SETCN	197
616431-500MGCN	226	622160900011730	164	626120300011730	106	650357-250MGCN	227	662125-10MGCN	227
616450-1UGCN	329	622601300011730	61	626125000011730	164	650366-250UGCN	227	662140-10MGCN	208
616451-5MGCN	226	622601400011730	61	626125100011730	164	650367-500UGCN	189	662141-25MGCN	208
616452-2MGCN	226	622601500011730	61	626125200011730	164	6504-20LCN	176	662142-25MGCN	208
616453-2MGCN	226	622601800011730	60	626125200031730	164	6505-4LCN	176	662200-1KITCN	247
616454-2MGCN	226	622603100011730	60	627609-1MGCN	213	6506-1LCN	176	662210-10MGCN	227
616455-2UGCN	329	622603300011730	60	627610-1MGCN	205	6507-4LCN	176	6630-10GMCN	179
616456-2MGCN	226	622624800021730	164	627610-5MGCN	205	6510-1KGCN	176	6650-500GMCN	176
616458-5MGCN	226	622652982501730	66	627624-5MGCN	208	6520-5KGCN	176	66612-1KGCN	179
616459-2MGCN	226	623100181001730	64	627850-250MGCN	180	6536-100GMCN	176	666122-2.5KGCN	179
616460-1UGCN	329	623100281001730	64	630100200011730	81	6540-100GMCN	174	666122-500GMCN	179
616461-5MGCN	226	623100481001730	65	630100300011730	81	654085-10MGCN	227	666125-10MGCN	227
616463-10MGCN	226	623100690011730	65	630100400011730	81	654164-5MGCN	227	666133-10KUCN	179
616464-5MGCN	215	623100780101730	65	630100500011730	81	654205-10UGCN	197	6680-100GMCN	179
616465-500ULCN	189	623102485001730	65	6310-100GMCN	174	654245-10UGCN	197	6680-25GMCN	179
616466-1EACN	213	623103385001730	164	6320-1KGCN	174	654250-1MGCN	190	670105-5MGCN	179
616468-5MGCN	226	623103485001730	164	6340-25KGCN	174	654255-1MGCN	227	670107-50MGCN	179
616520-10MGCN	227	623103585001730	164	6350-500MLCN	174	654256-5MGCN	226	670111-10MGCN	179
616521-10MGCN	227	623103782501730	164	640501100011730	88	654257-10MGCN	226	670111-50MGCN	179
		623110175001730	62	640501200011730	90	654270-10MGCN	226	670120-250MGCN	179

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
6701-50MGCN	179	681669-10MGCN	228	69182-3CN	301	69671-3CN	259	70171-3CN	309
6702-400MLCN	176	681670-10MGCN	228	692000-1MGCN	228	69672-1000UNCN	259	70174-3CN	286
6705-100MLCN	176	681671-10MGCN	228	692000-1MGCN	235	69672-3CN	259	70174-4CN	286
6710-400MLCN	176	681672-2MGCN	228	692000-1MGCN	238	69672-500UNCN	259	70181-3CN	293
672081-3000IUCN	197	681673-10MGCN	228	692000-1MGCN	239	69677-3CN	302	70181-4CN	293
672112-10KUCN	197	681674-5MGCN	228	692000-1MGCN	241	69704-3CN	257	70182-3CN	286
672157-5MGCN	227	681675-1MGCN	228	692000-1MGCN	242	69704-4CN	257	70182-4CN	286
672159-25MGCN	227	681675-1MGCN	234	69203-3CN	258	69725-3CN	309	70183-3CN	286
672315-50MGCN	227	681676-1MGCN	214	69213-3CN	197	69734-3CN	309	70184-3CN	286
672999-10MGCN	227	681677-10MGCN	228	69219-3CN	197	69739-3CN	302	70186-3CN	286
673000-10MGCN	227	681679-10MGCN	228	69230-3CN	284	69740-3CN	302	70188-3CN	326
676377-100MGCN	180	681685-10MGCN	228	69231-3CN	284	69741-3CN	302	70188-3CN	286
676377-25MGCN	180	681725-50MGCN	228	69232-3CN	257	69742-3CN	302	70188-4CN	286
676380-5MGCN	227	681816-5MGCN	173	69237-3CN	284	69743-3CN	302	70189-3CN	286
676472-10UGCN	329	6820-100MLCN	176	69238-3CN	284	69744-3CN	302	70189-4CN	286
676473-5UGCN	329	6820-5MGCN	180	69239-3CN	284	69745-3CN	302	70191-3CN	286
676474-5UGCN	329	682151-10UCN	197	69240-3CN	284	69746-3CN	302	70191-4CN	286
676476-20UGCN	329	682151-50UCN	197	69264-3CN	272	69748-3CN	302	70199-3CN	286
676480-1MGCN	227	682160-10UGCN	228	69264-4CN	272	69749-3CN	302	70200-3CN	320
676481-5MGCN	227	682162-50UGCN	228	69265-3CN	193	69750-3CN	302	70202-3CN	320
676483-500UGCN	227	684274-500MIUCN	190	69266-3CN	193	69752-3CN	302	70222-3CN	313
676484-5MGCN	227	684500-25MGCN	228	69278-3CN	319	69753-3CN	302	70224-3CN	313
676484-5MGCN	239	688000-100MGCN	228	69280-3CN	326	69755-3CN	256	70232-3CN	299
676485-1MGCN	227	688000-10MGCN	228	69281-3CN	326	69770-3CN	302	70234-3CN	299
676487-1MGCN	227	688000-1MGCN	228	69284-3CN	296	69771-3CN	302	70235-3CN	298
676487-1MGCN	239	688000-5MGCN	228	69284-4CN	296	69772-3CN	302	70235-4CN	298
676489-1MGCN	227	688001-500UGCN	214	693015-1KGCN	180	69820-3CN	326	70236-3CN	298
676490-50UGCN	197	688002-1MGCN	214	693015-25GMCN	180	69825-3CN	300	70236-4CN	298
676491-10MGCN	227	688100-5MGCN	228	693015-5GMCN	180	69825-4CN	300	70239-3CN	256
676492-10MGCN	227	688225-5MGCN	205	693017-100GMCN	180	69830-3CN	284	70526-3CN	287
676493-1MGCN	227	69001-3CN	282	693017-25GMCN	180	69831-3CN	284	70527-3CN	292
676494-1MGCN	227	69002-3CN	318	693017-500GMCN	180	69838-3CN	287	70534-3CN	257
676495-1MGCN	227	69015-3CN	302	693017-5GMCN	180	69839-3CN	319	70537-3CN	319
676496-1MGCN	227	69016-3CN	302	693019-5GMCN	180	69862-3CN	302	70538-3CN	319
676500-5MGCN	227	69017-3CN	302	693021-100GMCN	180	69863-3CN	302	70539-3CN	319
676501-5MGCN	227	69022-3CN	259	693021-25GMCN	180	69864-3CN	302	70540-3CN	318
676501-5MGCN	239	69025-3CN	258	693021-5GMCN	180	69865-3CN	302	70541-3CN	257
676502-1EACN	239	69026-3CN	258	693023-25GMCN	180	69866-3CN	302	70541-4CN	257
676503-5MGCN	227	69036-3CN	261	693023-500GMCN	180	69871-3CN	302	70541-5CN	257
676504-10MGCN	227	69036-8000UNCN	261	693023-5GMCN	180	69872-3CN	302	70548-3CN	321
676505-10MGCN	227	69037-3CN	261	693030-1KITCN	180	69896-3CN	282	70550-3CN	320
676602-100UGCN	195	69038-3CN	261	69337-3CN	284	69909-3CN	302	70556-3CN	302
676604-100UGCN	195	69041-3CN	295	69348-3CN	284	69910-3CN	302	70557-3CN	302
676777-100MGCN	200	69041-4CN	295	693520-1LCN	180	69911-3CN	302	70559-3CN	303
676950-5MGCN	227	69042-3CN	295	69390-3CN	308	69952-3CN	302	70561-3CN	302
677175-10MGCN	227	69042-4CN	295	69390-4CN	308	69954-3CN	303	70562-3CN	302
677181-10MGCN	227	69046-3CN	319	69405-3CN	303	69956-3CN	295	70566-3CN	317
679100-1MGCN	180	69047-3CN	197	69418-3CN	302	69956-4CN	295	70566-4CN	317
679101-50UGCN	180	69048-3CN	317	69419-3CN	302	69959-3CN	274	70572-3CN	284
679102-1MGCN	180	69049-3CN	283	69421-3CN	302	69965-3CN	273	70573-3CN	287
679104-1MGCN	180	69049-4CN	283	69431-3CN	302	69967-3CN	286	70573-4CN	287
6791-5GMCN	180	69050-3CN	184	69434-3CN	302	69968-3CN	317	70580-3CN	320
6800-100MLCN	176	69051-3CN	261	69436-3CN	302	69999-3CN	317	70581-3CN	320
6802-400MLCN	176	69053-3CN	295	69439-3CN	302	70003-3CN	313	70584-1000MLCN	252
6805-100MLCN	176	69053-4CN	295	69449-3CN	300	70005-3CN	321	70584-3CN	252
6810-400MLCN	176	69065-3CN	257	69449-4CN	300	70006-3CN	321	70584-4CN	252
681105-100UGCN	329	69066-1000UNCN	260	69450-3CN	294	70010-3CN	320	70590-3CN	312
681300-100UGCN	197	69066-3CN	260	69450-4CN	294	70014-3CN	321	70594-3CN	285
681500-1MGCN	228	69067-3CN	260	69451-3CN	294	70015-3CN	320	70595-3CN	285
681505-15TCN	183	69068-3CN	258	69451-4CN	294	70018-3CN	321	70595-4CN	285
681507-15TCN	183	69068-4CN	258	69452-3CN	300	70030-3CN	312	70596-3CN	285
681525-1MGCN	228	69069-3CN	259	69452-4CN	300	70034-3CN	315	70596-4CN	285
681525-5MGCN	228	69076-3CN	306	69453-3CN	296	70036-3CN	315	70597-3CN	285
681535-1MGCN	228	69077-3CN	306	69453-4CN	296	70040-3CN	321	70598-3CN	285
681535-5MGCN	228	69078-3CN	274	69454-3CN	296	70042-3CN	321	70598-4CN	285
681625-1MGCN	227	69079-3CN	274	69454-4CN	296	70043-3CN	321	70599-4CN	285
681629-10MGCN	227	69080-3CN	326	69522-3CN	317	70044-3CN	321	70607-3CN	275
681635-1MGCN	227	69086-3CN	191	69522-4CN	317	70045-3CN	313	70608-3CN	285
681636-1MGCN	227	69101-3CN	292	69593-3CN	320	70055-3CN	313	70609-3CN	286
681637-1MGCN	227	6910-250GMCN	176	69598-3CN	197	70058-3CN	312	70610-3CN	302
681640-1MGCN	227	6912-1KGCN	176	69659-3CN	302	70059-3CN	312	70622-3CN	300
681641-1MGCN	227	69137-3CN	273	69660-3CN	302	70073-3CN	307	70622-4CN	300
681647-5MGCN	228	691400-10MGCN	228	69661-3CN	302	70077-3CN	312	70623-3CN	298
681660-1MGCN	219	691400-25MGCN	228	69662-3CN	302	70078-3CN	312	70623-4CN	298
681664-2MGCN	228	69149-3CN	274	69663-3CN	302	70087-3CN	318	70624-3CN	298
681665-5MGCN	228	691550-25MGCN	228	69670-3CN	256	70088-3CN	313	70624-4CN	298
681666-1EACN	240	69171-3CN	193	69670-4CN	256	70090-3CN	302	70625-3CN	301
681667-25MGCN	228	69171-4CN	193	69670-5CN	256	70091-3CN	302	70625-4CN	301
681668-5MGCN	228	69180-3CN	319	69671-1000UNCN	178	70099-3CN	308	70633-3CN	286

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
70634-3CN	286	70923-4CN	252	71123-3CN	302	71344-3CN	300	71571-3CN	307
70635-3CN	286	70928-3CN	314	71124-3CN	302	71344-4CN	300	71572-3CN	310
70636-3CN	286	70929-3CN	314	71127-3CN	195	71345-3CN	297	71574-3CN	310
70637-3CN	322	70931-3CN	314	71129-3CN	305	71345-4CN	297	71575-3CN	313
70638-3CN	322	70933-3CN	314	71131-3CN	305	71346-3CN	297	71576-3CN	314
70639-3CN	322	70939-3CN	302	71135-3CN	300	71346-4CN	297	71577-3CN	313
70640-3CN	322	70940-3CN	302	71135-4CN	300	71347-3CN	301	71590-3CN	197
70641-3CN	322	70942-3CN	303	71136-3CN	297	71350-3CN	300	71591-3CN	197
70642-3CN	322	70953-3CN	300	71136-4CN	297	71350-4CN	300	71592-3CN	258
70643-3CN	322	70953-4CN	300	71137-3CN	297	71351-3CN	297	71592-4CN	258
70644-3CN	322	70954-3CN	296	71137-4CN	297	71351-4CN	297	71608-3CN	258
70645-3CN	322	70954-4CN	296	71138-3CN	301	71352-3CN	297	71610-3CN	258
70646-3CN	322	70955-3CN	272	71144-3CN	306	71352-4CN	297	71613-3CN	258
70647-3CN	322	70956-3CN	296	71146-3CN	307	71353-3CN	301	71614-3CN	275
70648-3CN	322	70956-4CN	296	71147-3CN	307	71353-4CN	301	71615-3CN	303
70663-4CN	320	70967-3CN	322	71148-3CN	305	71363-3CN	304	71676-3CN	280
70663-5CN	320	70967-4CN	322	71149-3CN	305	71364-3CN	304	71676-4CN	280
70664-3CN	254	70967-5CN	322	71177-3CN	299	71366-3CN	289	71676-4CN	326
70666-3CN	256	70967-6CN	322	71183-3CN	263	71366-4CN	289	71712-3CN	262
70666-4CN	256	70972-3CN	193	71184-4CN	193	71370-3CN	252	71713-3CN	262
70666-5CN	256	70978-3CN	318	71186-3CN	255	71370-4CN	252	71724-3CN	310
70673-3CN	308	70979-3CN	318	71186-4CN	255	71377-3CN	247	71726-3CN	310
70674-3CN	308	70980-3CN	276	71187-3CN	255	71378-3CN	247	71727-3CN	310
70691-3CN	256	70982-3CN	276	71187-4CN	255	71397-3CN	296	71731-3CN	310
70691-4CN	256	71003-3CN	280	71194-3CN	255	71397-4CN	296	71739-3CN	262
70691-5CN	256	71003-4CN	280	71194-4CN	255	71400-3CN	298	71739-4CN	262
70726-3CN	299	71003-5CN	280	71195-3CN	294	71400-4CN	298	71740-3CN	262
70746-3CN	254	71004-3CN	281	71205-3CN	254	71401-3CN	298	71740-4CN	262
70746-4CN	254	71007-3CN	281	71206-3CN	254	71401-4CN	298	71742-3CN	262
70748-3CN	284	71009-3CN	255	71207-3CN	299	71402-3CN	300	71742-4CN	262
70748-4CN	284	71009-4CN	255	71208-3CN	299	71402-4CN	300	71743-3CN	262
70750-3CN	252	71011-3CN	294	71209-3CN	299	71403-3CN	296	71743-4CN	262
70751-3CN	256	71011-4CN	294	71210-3CN	299	71403-4CN	296	71745-3CN	262
70753-3CN	303	71012-3CN	301	71227-3CN	293	71404-3CN	301	71745-4CN	262
70755-3CN	303	71012-4CN	301	71227-4CN	293	71404-4CN	301	71746-3CN	262
70757-3CN	303	71013-3CN	288	71228-3CN	285	71405-3CN	299	71746-4CN	262
70759-3CN	303	71013-4CN	288	71228-4CN	285	71406-3CN	307	71748-3CN	262
70761-3CN	303	71022-3CN	315	71229-3CN	286	71408-3CN	298	71751-5CN	291
70763-3CN	303	71023-3CN	315	71230-3CN	254	71408-4CN	298	71751-6CN	291
70765-3CN	303	71034-3CN	297	71230-4CN	254	71412-3CN	253	71752-4CN	291
70767-3CN	303	71034-4CN	297	71230-5CN	254	71431-3CN	299	71752-5CN	291
70769-3CN	303	71045-3CN	193	71234-3CN	313	71432-3CN	299	71752-6CN	291
70773-3CN	303	71047-3CN	276	71235-3CN	309	71456-3CN	252	71753-4CN	291
70777-3CN	303	71048-3CN	276	71237-3CN	310	71456-4CN	252	71753-5CN	291
70781-3CN	303	71049-3CN	320	71238-3CN	309	71461-3CN	302	71753-6CN	291
70783-3CN	303	71049-4CN	320	71240-3CN	310	71462-3CN	302	71754-3CN	291
70785-3CN	303	71058-3CN	300	71241-3CN	309	71463-3CN	302	71754-4CN	291
70793-3CN	256	71058-4CN	300	71242-3CN	309	71464-3CN	302	71754-5CN	291
70794-3CN	257	71059-3CN	297	71245-3CN	310	71491-3CN	288	71755-4CN	291
70796-3CN	193	71059-4CN	297	71251-3CN	294	71491-4CN	288	71757-3CN	288
70796-4CN	193	71060-3CN	301	71251-4CN	294	71491-5CN	288	71757-4CN	288
70823-3CN	313	71071-3CN	306	71252-3CN	298	71493-10000UNCN	260	71757-5CN	288
70824-3CN	313	71072-3CN	306	71252-4CN	298	71493-3CN	260	71759-3CN	291
70836-3CN	300	71074-3CN	318	71259-3CN	316	71504-3CN	261	71759-4CN	291
70836-4CN	300	71077-3CN	292	71259-4CN	316	71505-3CN	261	71760-3CN	291
70837-3CN	297	71078-3CN	274	71259-5CN	316	71506-3CN	261	71771-3CN	264
70837-4CN	297	71079-3CN	299	71279-3CN	291	71507-3CN	261	71772-3CN	265
70838-3CN	301	71085-3CN	279	71280-3CN	291	71508-3CN	261	71789-3CN	291
70838-4CN	301	71086-3CN	278	71281-3CN	324	71509-3CN	261	71840-3CN	193
70839-3CN	297	71086-4CN	278	71282-3CN	246	71510-3CN	261	71842-3CN	278
70839-4CN	297	71086-5CN	278	71283-3CN	315	71511-3CN	262	71842-4CN	278
70840-3CN	313	71087-3CN	279	71284-3CN	315	71512-3CN	261	71844-3CN	305
70850-3CN	316	71087-4CN	279	71285-3CN	272	71513-3CN	261	71845-3CN	305
70852-3CN	282	71091-3CN	280	71289-3CN	263	71514-3CN	261	71846-3CN	305
70856-3CN	319	71091-4CN	280	71290-3CN	263	71530-3CN	317	71848-3CN	305
70899-3CN	256	71091-4CN	326	71296-3CN	270	71531-4CN	317	71849-3CN	306
70905-3CN	313	71092-3CN	253	71296-4CN	270	71532-3CN	270	71850-3CN	306
70909-3CN	263	71092-4CN	253	71300-3CN	289	71537-3CN	260	71851-3CN	306
70911-3CN	299	71092-5CN	253	71300-4CN	289	71540-3CN	260	71852-3CN	306
70912-3CN	326	71097-3CN	193	71300-250GMCN	176	71542-3CN	197	71853-3CN	306
70920-3CN	301	71097-4CN	193	71318-4CN	293	71545-3CN	311	71854-3CN	306
70920-4CN	301	71104-3CN	292	71327-3CN	302	71546-3CN	311	71855-3CN	306
70921-3CN	252	71110-5GMCN	176	71330-3CN	304	71549-3CN	197	71856-3CN	305
70921-4CN	252	71110-3CN	253	71333-3CN	309	71553-3CN	302	71900-3CN	323
70921-5CN	252	71110-4CN	253	71335-3CN	306	71554-3CN	302	71901-3CN	323
70922-3CN	252	71110-5CN	253	71337-3CN	306	71557-3CN	309	71902-3CN	323
70922-4CN	252	71115-3CN	323	71339-3CN	310	71558-3CN	313	71902-4CN	323
70922-5CN	252	71115-4CN	323	71340-3CN	304	71559-3CN	313	71975-3CN	279
70923-3CN	252	71122-3CN	302	71341-3CN	307	71570-3CN	306	71978-3CN	281

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
72103-3CN	270	8930-100MLCN	178	AP1163-50UGCN	189	BK2IM-123-JSL	340	BLHCD-808-ZSL	346
72157-3CN	311	8990-100GMCN	178	AP1164-100UGCN	188	BK2IM-123-SSL	340	BLHCDM-808-DSL	346
72158-3CN	311	9000-4LCN	178	AP1165-50UGCN	185	BK2IM-303-SSL	351	BLHCDM-808-JSL	346
72181-3CN	323	9010-500GMCN	179	AP1166-100UGCN	187	BK2IM-707-SSL	337	BLHGO-444-DSL	344
72181-4CN	323	9015-4LCN	178	AP1167-100UGCN	189	BK2M-114-DSL	333	BLHIF-114-DSL	333
72181-5CN	323	9050-25KGCN	179	AP1168-100UGCN	189	BK2M-114-JSL	333	BLHIM-114-DSL	333
72350-3CN	311	9210-500GMCN	179	AP1170-100UGCN	188	BK2M-114-SSL	333	BLHIM-118-DSL	336
72351-3CN	311	9230-5KGCN	179	AP1179-100UGCN	189	BK2M-123-DSL	340	BLHIM-118-JSL	336
72620-1KITCN	326	9260-25KGCN	179	AP1180-100UGCN	189	BK2NZ-505-DSL	348	BLHIM-123-DSL	341
72621-1KITCN	326	9285-100MLCN	179	AP1181-100UGCN	189	BK2NZ-505-HSL	348	BLHM-114-JSL	333
72622-3CN	326	9290-100MLCN	179	ASC-010-HSL	351	BK2NZ-505-JSL	348	BLHM-114-SSL	333
72622-4CN	326	9295-100MLCN	179	ASC-010-TSL	351	BK2NZ-505-SSL	348	BLHM-118-JSL	336
72625-1KITCN	326	9310-500GMCN	179	ASC-011-HSL	351	BK2NZF-505-DSL	348	BLHM-123-HSL	341
72626-1KITCN	326	9350-5KGCN	179	ASC-011-TSL	351	BK2NZF-505-ESL	348	BLHM-123-JSL	341
72627-1KITCN	326	9380-25KGCN	179	ASK07-1EACN	195	BK2NZF-505-SSL	348	BLHM-123-SSL	341
72628-1KITCN	326	9400-100MLCN	179	ASK10-1EACN	194	BK2NZIF-505-DSL	348	BLHM-123-SSL	341
72633-1KITCN	326	9410-1LCN	179	B37022-44CN	173	BK2NZIM-505-DSL	348	BLHM-123-SSL	341
72635CN	325	9440-4LCN	179	BA24-100UGCN	189	BK2NZM-505-DSL	348	BLHM-123-SSL	341
72636CN	325	9460-20LCN	179	BA5-130-SSL	352	BK2SD-909-DSL	350	BLHSD-909-DSL	350
7280-20LCN	176	9474-1LCN	179	BA5-303-DSL	351	BK2SD-909-ESL	350	BLHSD-909-ESL	350
7300-500GMCN	176	9480-1LCN	179	BA5-303-SSL	351	BK2SD-909-HSL	350	BLHSD-909-HSL	350
7320-5KGCN	176	9485-4LCN	179	BA5-606-DSL	335	BK2SD-909-JSL	350	BLHSD-909-JSL	350
7331-500ULCN	177	9490-1LCN	179	BA5-606-ESL	335	BK2SD-909-SSL	350	BLHSD-909-SSL	350
7370-250GMCN	177	9495-4LCN	179	BA5-606-JSL	335	BK2SD-909-ZSL	350	BLHSDIM-909-DSL	350
7410-100GMCN	169	9510-500GMCN	179	BA5-606-SSL	335	BK2SDIF-909-ESL	350	BLHSDIM-909-DSL	350
7433-2CN	177	9530-5KGCN	179	BASYK-404-DSL	347	BK2SDIM-909-ESL	350	BSA-1000-22-LSL	334
7480-2KUCN	177	9550-25KGCN	179	BASYK-404-SSL	347	BK2YK-404-SSL	347	BSA-1000-30-LSL	334
7490-1KITCN	177	9601-100MLCN	180	BK2-114-DSL	333	BK2YKF-404-DSL	347	BSA-1000-70-KPSL	334
7510-500GMCN	177	9602-500MLCN	180	BK2-114-ESL	333	BK2YKI-404-DSL	347	BSA-1005-30-LSL	334
7560-5KGCN	177	9610-1LCN	180	BK2-114-JSL	333	BK2YKIM-404-SSL	347	BSA-1005-70-KPSL	334
7610-500GMCN	177	9612-5LCN	180	BK2-114-SSL	333	BK2YKM-404-SSL	347	BSA-1010-30-LSL	334
7660-5KGCN	177	9613-10LCN	180	BK2-114-XSL	333	BK3-114-DSL	333	BSA-1010-70-KPSL	334
7710-500GMCN	177	9630-100GMCN	180	BK2-118-DSL	336	BK3-114-SSL	333	BSA-1011-30-LSL	334
7760-5KGCN	177	9660-1GMCN	180	BK2-118-ESL	336	BK3-118-SSL	336	BSA-1011-70-KPSL	334
7780-25KGCN	177	9710-25GMCN	180	BK2-118-HSL	336	BK3-120-ESL	335	BSA-1025-30-LSL	334
7810-1KGCN	179	9801-100MLCN	180	BK2-118-JSL	336	BK3-123-FSL	341	BSA-1025-70-KPSL	334
7860-5KGCN	179	9811-5LCN	180	BK2-118-SSL	336	BK3-123-HSL	341	BSA-1030-30-LSL	334
7910-500GMCN	177	9812-10LCN	180	BK2-118-XSL	336	BK3-123-SSL	341	BSA-1030-70-KPSL	334
7960-5KGCN	177	9820-100MLCN	180	BK2-118-ZSL	336	BK3CD-808-DSL	346	BSA-1035-30-LSL	334
7990-200MLCN	177	AAMT001-1KITCN	250	BK2-119-ESL	350	BK3CD-808-HSL	346	BSA-1035-70-KPSL	334
7991-1LCN	177	AAMT002-1KITCN	250	BK2-119-JSL	350	BK3CD-808-SSL	346	BSA-1041-30-LSL	334
8110-500GMCN	177	AAMT004-1KITCN	250	BK2-123-DSL	340	BK3CDI-808-XSL	346	BSA-1043-30-LSL	334
8210-500GMCN	177	AAMT005-1KITCN	250	BK2-123-ESL	340	BK3GO-444-DSL	344	BSA-1060-30-LSL	334
8240-5KGCN	177	AAMT006-1KITCN	250	BK2-123-FSL	340	BK3IF-114-DSL	333	BSA-1060-70-KPSL	334
8290-500GMCN	177	AAMT008-1KITCN	250	BK2-123-HSL	340	BK3IF-123-DSL	341	BSA-1070-30-LSL	334
8295-5KGCN	177	AAMT009-1KITCN	250	BK2-123-JSL	340	BK3IM-114-DSL	333	BSA-1070-70-KPSL	334
8310-4LCN	178	ACMT001-360UGCN	194	BK2-123-SSL	340	BK3IM-123-DSL	340	BSC-404-LSL	347
8320-4LCN	178	ACMT002-300UGCN	194	BK2-303-DSL	351	BK3IM-123-ESL	340	BSC-404-SSL	347
8325-2PACKCN	178	AM03-100UGCN	183	BK2-707-DSL	338	BK3IM-123-SSL	340	BSCM-202-HSL	334
8340-1PACKCN	178	AM04-100UGCN	183	BK2BCF-808-DSL	345	BK3M-114-DSL	333	BSD-909-SSL	350
8410-4LCN	178	AM34-100UGCN	183	BK2BCM-808-DSL	345	BK3M-123-DSL	341	BSE-114-DSL	333
8510-500GMCN	178	AM41-1EACN	246	BK2BCM-808-ESL	345	BK3M-123-HSL	341	BSE-114-HSL	333
8550-5KGCN	178	AM46-100UGCN	183	BK2BCM-808-JSL	345	BK3M-123-SSL	341	BSE-114-JSL	333
8590-100MLCN	178	AM50-100UGCN	186	BK2BL-808-XSL	345	BK3M-505-DSL	348	BSE-118-SSL	336
8610-100GMCN	178	AM63-100UGCN	182	BK2CD-808-DSL	346	BK3NZ-505-DSL	348	BSE-123-HSL	341
869001-10UGCN	192	AM65-100UGCN	183	BK2CD-808-ESL	346	BK3NZ-505-SSL	348	BSE-123-KSL	341
869001-50UGCN	192	AM76-100UGCN	189	BK2CD-808-HSL	346	BK3NZI-505-DSL	348	BSE-123-SSL	341
869003-10UGCN	194	AM80-100UGCN	188	BK2CD-808-JSL	346	BK3SD-909-DSL	350	BSEIF-114-DSL	333
869003-50UGCN	194	AP1035-50UGCN	184	BK2CD-808-SSL	346	BK3SD-909-ESL	350	BSEIM-123-ESL	341
869006-100UGCN	179	AP1057-50UGCN	182	BK2CDF-808-DSL	346	BK3SD-909-SSL	350	BSEIM-123-HSL	341
869006-10UGCN	179	AP1062-50ULCN	196	BK2CDIF-808-XSL	346	BK3SDM-909-DSL	350	BSESD-909-DSL	350
869006-50UGCN	179	AP1063-50UGCN	196	BK2CDIM-808-XSL	346	BK3SDM-909-ESL	350	BSESD-909-HSL	350
869008-100UGCN	192	AP1064-50UGCN	196	BK2CDM-808-DSL	346	BL3SN-444-DSL	344	BSH-114-DSL	333
869008-50UGCN	192	AP1065-50ULCN	196	BK2GO-444-DSL	344	BLAV-404-DSL	347	BSH-114-SSL	333
869019-5MLCN	195	AP1135-50UGCN	184	BK2GO-444-ESL	344	BLH-114-DSL	333	BSH-123-FSL	341
869031-100UGCN	191	AP1136-50ULCN	186	BK2GO-444-HSL	344	BLH-114-ESL	333	BSH-123-HSL	341
869039-5UGCN	196	AP1138-50UGCN	183	BK2GO-444-JSL	344	BLH-114-SSL	333	BSH-123-MSL	341
8720-4LCN	178	AP1139-100UGCN	183	BK2GO-444-SSL	344	BLH-118-DSL	336	BSH-123-SSL	341
8725-20LCN	178	AP1140-100UGCN	185	BK2GOIF-444-DSL	344	BLH-119-DSL	350	BSHBCF-808-DSL	345
8750-1PCCN	178	AP1142-100UGCN	189	BK2GIM-444-DSL	344	BLH-119-JSL	350	BSHIF-123-DSL	341
8770-1PACKCN	178	AP1145-100UGCN	186	BK2IF-114-DSL	333	BLH-119-SSL	350	BSHIM-118-ESL	336
8800-4LCN	178	AP1146-100UGCN	183	BK2IF-118-DSL	336	BLH-123-FSL	341	BSHIM-123-DSL	341
8820-4LCN	178	AP1148-100UGCN	184	BK2IF-123-DSL	340	BLH-123-HSL	341	BSHSD-909-ASL	350
8830-20LCN	178	AP1154-100UGCN	186	BK2IF-123-HSL	340	BLH-123-JSL	341	BSHSD-909-DSL	350
8840-200LCN	178	AP1155-100UGCN	188	BK2IF-123-JSL	340	BLH-123-SSL	341	BSHSD-909-ESL	350
8850-1PACKCN	178	AP1157-100UGCN	189	BK2IF-707-SSL	337	BLH-404-LSL	347	BSHSD-909-SSL	350
8890-100MLCN	178	AP1159-100UGCN	189	BK2IM-118-DSL	336	BLH-404-SSL	347	CA1004-200ULCN	183
8910-1LCN	178	AP1160-100UGCN	187	BK2IM-123-DSL	340	BLHCD-808-DSL	346	CA1016-50ULCN	186
8920-25MLCN	178	AP1162-100UGCN	187	BK2IM-123-HSL	340	BLHCD-808-SSL	346	CA1023-50UGCN	186

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
CA1026-50ULCN	190	CP74-100UGCN	190	ECM0887LSL	343	GEM-300-109P100SL	336	GEM-300-132P100SL	341
CA1033-100UGCN	183	CSF-123-DSL	338	ECM0888SSL	343	GEM-300-109P1SL	336	GEM-300-132P1SL	341
CB1001-500UGCN	185	CSF-123-ESL	338	ECM0889NSL	343	GEM-300-109P20SL	336	GEM-300-132P20SL	341
CB1012-50UGCN	187	CSF-123-HSL	338	ECM0890SSL	335	GEM-300-109P5SL	336	GEM-300-132-PSL	350
CB1015-100UGCN	185	CSF-123-JSL	338	ECM0891SSL	332	GEM-300-110P100SL	336	GEM-300-133P10SL	341
CB1018-50UGCN	192	CSF-123-KSL	338	ECM0892SSL	346	GEM-300-110P1SL	336	GEM-300-133P1SL	341
CB1020-100UGCN	186	CSF-123-MSL	338	ECS0196D SL	337	GEM-300-110P500SL	336	GEM-300-133P50SL	341
CB1022-100UGCN	188	CSF-123-SSL	338	ECS0196L SL	337	GEM-300-111P100SL	342	GEM-300-134P100SL	341
CB1024-100UGCN	182	CSF-123-TSL	338	EM-300-126P10SL	338	GEM-300-111P1SL	342	GEM-300-134P1SL	341
CB1025-100UGCN	182	CSF-123-XSL	338	EU-000-FCSL	352	GEM-300-111P20SL	342	GEM-300-134P20SL	341
CB1027-100UGCN	189	CSF-123-ZSL	338	EU-000-FDSL	352	GEM-300-111P5SL	342	GEM-300-135P100SL	341
CB1028-100UGCN	186	CSFIF-123-XSL	338	EU-000-FESL	352	GEM-300-112P10SL	336	GEM-300-135P10SL	341
CB1030-100UGCN	186	CSFIM-123-XSL	338	EU-000-FGSL	352	GEM-300-112P1SL	336	GEM-300-135P1SL	341
CB1032-100UGCN	187	DC01L-200UGCN	188	EU-000-FISL	352	GEM-300-112P50SL	336	GEM-300-135P2SL	341
CB1034-100UGCN	184	DC02L-200UGCN	193	EU-000-FSL	352	GEM-300-113P10SL	337	GEM-300-136P100SL	341
CB1036-100UGCN	188	DC03L-200UGCN	193	EU-000-FTSL	352	GEM-300-113P1SL	337	GEM-300-136P10SL	341
CB1039-100UGCN	188	DC05L-200UGCN	193	EU-000-HCSL	352	GEM-300-113P50SL	337	GEM-300-136P1SL	341
CB1040-100UGCN	188	DET-008SL	352	EU-000-HDSL	352	GEM-300-114P10SL	336	GEM-300-136P2SL	341
CB1041-50UGCN	188	DP01-100UGCN	189	EU-000-HESL	352	GEM-300-114P1SL	336	GEM-300-137P100SL	341
CB1042-100UGCN	185	DP02-200UGCN	189	EU-000-HGSL	352	GEM-300-114P50SL	336	GEM-300-137P10SL	341
CB1044-100UGCN	187	DP02A-0.5MLCN	189	EU-000-HISL	352	GEM-300-115P100SL	336	GEM-300-137P1SL	341
CB1046-100UGCN	184	DP10L-100UGCN	188	EU-000-HSL	352	GEM-300-115P1SL	336	GEM-300-137P2SL	341
CB1047-100UGCN	189	DP11-100UGCN	182	EU-000-HTSL	352	GEM-300-115P20SL	336	GEM-300-138P100SL	341
CB1048-100UGCN	189	DP14L-100UGCN	189	GEM-100-101-FSL	337	GEM-300-115P5SL	336	GEM-300-138P10SL	341
CB1050-100UGCN	184	DP15L-100UGCN	184	GEM-100-106-FSL	337	GEM-300-116P100SL	336	GEM-300-138P1SL	341
CB1052-100UGCN	190	DR1001-100ULCN	182	GEM-100-108-FSL	336	GEM-300-116P1SL	336	GEM-300-138P2SL	341
CBA001-1KITCN	246	DR1002-50UGCN	195	GEM-100-110-HSL	346	GEM-300-116P20SL	336	GEM-300-139P100SL	341
CBA003-1KITCN	246	DR1015-100UGCN	188	GEM-100-113-HSL	346	GEM-300-116P5SL	336	GEM-300-139P10SL	341
CBA006-1KITCN	250	DR1017-100UGCN	195	GEM-100-116-FSL	348	GEM-300-117P100SL	336	GEM-300-139P1SL	341
CBA010-1KITCN	246	DR1025-50ULCN	195	GEM-100-117-FSL	351	GEM-300-117P1SL	336	GEM-300-139P2SL	341
CBA011-1KITCN	246	DR1035-50UGCN	189	GEM-100-119-FSL	335	GEM-300-117P25SL	336	GEM-300-140P100SL	341
CBA013-1KITCN	246	DR1037-50UGCN	188	GEM-100-120-FSL	332	GEM-300-117P5SL	336	GEM-300-140P1SL	341
CBA016-1KITCN	246	DR1041-50ULCN	189	GEM-100-125-FSL	351	GEM-300-118P100SL	337	GEM-300-140P25SL	341
CBA017-1KITCN	246	DR1045-100UGCN	185	GEM-100-130-HSL	338	GEM-300-118P10SL	337	GEM-300-140P5SL	341
CBA019-1KITCN	246	DR1047-100UGCN	190	GEM-100-130-JSL	338	GEM-300-118P2SL	337	GEM-300-141P100SL	341
CBA023-1KITCN	246	DR1050-100UGCN	187	GEM-100-135-FSL	335	GEM-300-118PSL	337	GEM-300-141P1SL	341
CBA024-1KITCN	246	DR1052-100UGCN	188	GEM-100-318-HSL	340	GEM-300-119P10SL	337	GEM-300-141P25SL	341
CBA039-1KITCN	250	DR1056-50UGCN	189	GEM-100-500-FSL	337	GEM-300-119P1SL	337	GEM-300-141P5SL	341
CBA042-1KITCN	246	DR1057-100UGCN	189	GEM-100-504-FSL	337	GEM-300-119P50SL	337	GEM-300-142P100SL	342
CBA043-1KITCN	246	DR1058-100UGCN	189	GEM-100-506-FSL	337	GEM-300-120P10SL	337	GEM-300-142P1SL	342
CBA053-1KITCN	250	DR1061-100UGCN	185	GEM-100-512-HSL	337	GEM-300-120P1SL	337	GEM-300-142P25SL	342
CBA054-1KITCN	246	DR1071-100UGCN	189	GEM-100-525-FSL	351	GEM-300-120P50SL	337	GEM-300-142P5SL	342
CBA055-1KITCN	246	DR1073-100UGCN	185	GEM-100-602-FSL	336	GEM-300-121P100SL	337	GEM-300-143P100SL	342
CBA059-1KITCN	246	DR1075-100UGCN	189	GEM-100-700-FSL	346	GEM-300-121P10SL	337	GEM-300-143P1SL	342
CBA060-100TESTCN	246	DR1077-100UGCN	183	GEM-100-730-FSL	337	GEM-300-121P2SL	337	GEM-300-143P25SL	342
CBA069-1KITCN	250	DR1080-100UGCN	186	GEM-300-100P100SL	332	GEM-300-121PSL	337	GEM-300-143P5SL	342
CBA071-1KITCN	250	DR1086-100UGCN	183	GEM-300-100P1SL	332	GEM-300-123P100SL	337	GEM-300-144P100SL	342
CBA077-1KITCN	246	DR1087-100UGCN	190	GEM-300-100P20SL	332	GEM-300-123P10SL	337	GEM-300-144P10SL	342
CBA078-1KITCN	250	DR1088-100UGCN	190	GEM-300-101P100SL	332	GEM-300-123P1SL	337	GEM-300-144P1SL	342
CBA079-1KITCN	246	DR1089-100UGCN	187	GEM-300-101P1SL	332	GEM-300-123P2SL	337	GEM-300-144P2SL	342
CBA083-1KITCN	246	DR1093-100UGCN	185	GEM-300-101P20SL	332	GEM-300-124P100SL	337	GEM-300-145P100SL	341
CBA085-1KITCN	246	DR1094-100UGCN	188	GEM-300-101P5SL	332	GEM-300-124P1SL	337	GEM-300-145P10SL	341
CBA086-1KITCN	246	DR1095-100UGCN	184	GEM-300-102P100SL	332	GEM-300-124P20SL	337	GEM-300-145P1SL	341
CBA096-1KITCN	247	DR1098-100UGCN	186	GEM-300-102P1SL	332	GEM-300-124P5SL	337	GEM-300-145P2SL	341
CBA097-1KITCN	246	DR1103-100UGCN	190	GEM-300-102P20SL	332	GEM-300-125P100SL	338	GEM-300-146P10SL	342
CBA098-1KITCN	246	DR1105-100UGCN	184	GEM-300-102P5SL	332	GEM-300-125P1SL	338	GEM-300-146P1SL	342
CBA101-1KITCN	250	DR1106-100UGCN	187	GEM-300-103P100SL	333	GEM-300-125P25SL	338	GEM-300-146P50SL	342
CBA104-1KITCN	246	DR1122-100UGCN	186	GEM-300-103P10SL	333	GEM-300-125P5SL	338	GEM-300-147P100SL	342
CBA107-1KITCN	250	DR1123-100UGCN	185	GEM-300-103P1SL	333	GEM-300-126P100SL	338	GEM-300-147P10SL	342
CC12-100UGCN	184	DR1125-100UGCN	190	GEM-300-103P2SL	333	GEM-300-126P1SL	338	GEM-300-147P1SL	342
CC43-100UGCN	184	DR1126-100UGCN	190	GEM-300-104P100SL	332	GEM-300-126P2SL	338	GEM-300-147P2SL	342
CE-650-DLSL	335	EAMT002-1KITCN	250	GEM-300-104P10SL	332	GEM-300-127P100SL	338	GEM-300-148P100SL	342
CE-650-ESL	335	ECB7511LSL	351	GEM-300-104P1SL	332	GEM-300-127P10SL	338	GEM-300-148P10SL	342
CE-650-FSL	335	ECB9206LSL	351	GEM-300-104P2SL	332	GEM-300-127P1SL	338	GEM-300-148P1SL	342
CE-650-JLSL	335	ECM0051LSL	347	GEM-300-105P10SL	335	GEM-300-127P2SL	338	GEM-300-148P2SL	342
CE-650-JSL	335	ECM0052LSL	347	GEM-300-105P1SL	335	GEM-300-128P100SL	337	GEM-300-149P100SL	342
CLO7-1000MLCN	197	ECM0053LSL	347	GEM-300-105P50SL	335	GEM-300-128P1SL	337	GEM-300-149P10SL	342
CLO7-100MLCN	197	ECM0054LSL	351	GEM-300-106P100SL	335	GEM-300-128P20SL	337	GEM-300-149P1SL	342
CP01-1EACN	182	ECM0055LSL	347	GEM-300-106P1SL	335	GEM-300-128P5SL	337	GEM-300-149P2SL	342
CP06-100UGCN	183	ECM0057LSL	347	GEM-300-106P25SL	335	GEM-300-129P100SL	337	GEM-300-150P100SL	342
CP11L-100UGCN	186	ECM0058LSL	347	GEM-300-106P5SL	335	GEM-300-129P1SL	337	GEM-300-150P1SL	342
CP18-100UGCN	184	ECM0059LSL	347	GEM-300-107P100SL	335	GEM-300-129P20SL	337	GEM-300-150P20SL	342
CP26-100UGCN	186	ECM0150LSL	347	GEM-300-107P1SL	335	GEM-300-129P5SL	337	GEM-300-150P5SL	342
CP28-200UGCN	185	ECM0617NSL	337	GEM-300-107P20SL	335	GEM-300-130P10SL	337	GEM-300-151P100SL	342
CP35-100ULCN	188	ECM0625NSL	337	GEM-300-107P5SL	335	GEM-300-130P1SL	337	GEM-300-151P10SL	342
CP45-100ULCN	184	ECM0800ASL	344	GEM-300-108P100SL	335	GEM-300-130P50SL	337	GEM-300-151P1SL	342
CP53-100UGCN	186	ECM0800SSL	344	GEM-300-108P1SL	335	GEM-300-131P100SL	338	GEM-300-151P2SL	342
CP64-100ULCN	182	ECM0881DSL	343	GEM-300-108P20SL	335	GEM-300-131P500SL	338	GEM-300-152P100SL	342
CP70-100UGCN	185	ECM0883LSL	346	GEM-300-108P5SL	335	GEM-300-131P5SL	338	GEM-300-152P10SL	342

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
GEM-300-152P1SL	342	GEM-300-172P1SL	346	GEM-300-192P1SL	351	GEM-300-311P100SL	341	GEM-300-331P200SL	343
GEM-300-152P2SL	342	GEM-300-172P2SL	346	GEM-300-192P2SL	351	GEM-300-311P1SL	341	GEM-300-331P5SL	343
GEM-300-153P100SL	342	GEM-300-173P100SL	346	GEM-300-193P10SL	351	GEM-300-311P20SL	341	GEM-300-332P100SL	343
GEM-300-153P10SL	342	GEM-300-173P1SL	346	GEM-300-193P1SL	351	GEM-300-312P100SL	341	GEM-300-332P10SL	343
GEM-300-153P1SL	342	GEM-300-173P25SL	346	GEM-300-193P50SL	351	GEM-300-312P10SL	341	GEM-300-332P1SL	343
GEM-300-153P2SL	342	GEM-300-173P5SL	346	GEM-300-194P100SL	351	GEM-300-312P1SL	341	GEM-300-332P2SL	343
GEM-300-154P100SL	342	GEM-300-174P100SL	346	GEM-300-194P1SL	351	GEM-300-312P2SL	341	GEM-300-333P100SL	344
GEM-300-154P1SL	342	GEM-300-174P1SL	346	GEM-300-194P20SL	351	GEM-300-313P100SL	341	GEM-300-333P10SL	344
GEM-300-154P20SL	342	GEM-300-174P20SL	346	GEM-300-194P5SL	351	GEM-300-313P10SL	341	GEM-300-333P1SL	344
GEM-300-154P5SL	342	GEM-300-174P5SL	346	GEM-300-195P100SL	352	GEM-300-313P1SL	341	GEM-300-333P2SL	344
GEM-300-155P100SL	342	GEM-300-175P100SL	346	GEM-300-195P10SL	352	GEM-300-313P2SL	341	GEM-300-334P100SL	344
GEM-300-155P1SL	342	GEM-300-175P10SL	346	GEM-300-195P1SL	352	GEM-300-314P100SL	341	GEM-300-334P10SL	344
GEM-300-155P20SL	342	GEM-300-175P1SL	346	GEM-300-195P2SL	352	GEM-300-314P10SL	341	GEM-300-334P1SL	344
GEM-300-155P5SL	342	GEM-300-175P2SL	346	GEM-300-196P100SL	352	GEM-300-314P2SL	341	GEM-300-334P2SL	344
GEM-300-156P100SL	342	GEM-300-176P100SL	346	GEM-300-196P10SL	352	GEM-300-315P100SL	341	GEM-300-335P100SL	344
GEM-300-156P10SL	342	GEM-300-176P10SL	346	GEM-300-196P1SL	352	GEM-300-315P10SL	341	GEM-300-335P1SL	344
GEM-300-156P1SL	342	GEM-300-176P1SL	346	GEM-300-196P2SL	352	GEM-300-315P1SL	341	GEM-300-335P2SL	344
GEM-300-156P2SL	342	GEM-300-176P2SL	346	GEM-300-197P100SL	342	GEM-300-315P2SL	341	GEM-300-335P5SL	344
GEM-300-157P100SL	342	GEM-300-177P100SL	347	GEM-300-197P10SL	342	GEM-300-316P100SL	341	GEM-300-336P100SL	343
GEM-300-157P10SL	342	GEM-300-177P10SL	347	GEM-300-197P1SL	342	GEM-300-316P10SL	341	GEM-300-336P10SL	343
GEM-300-157P1SL	342	GEM-300-177P1SL	347	GEM-300-197P2SL	342	GEM-300-316P1SL	341	GEM-300-336P1SL	343
GEM-300-157P2SL	342	GEM-300-177P2SL	347	GEM-300-198P100SL	332	GEM-300-316P2SL	341	GEM-300-336P2SL	343
GEM-300-158P100SL	342	GEM-300-178P100SL	347	GEM-300-198P10SL	332	GEM-300-317P100SL	341	GEM-300-337P100SL	343
GEM-300-158P1SL	342	GEM-300-178P10SL	347	GEM-300-198P1SL	332	GEM-300-317P1SL	341	GEM-300-337P10SL	343
GEM-300-158P25SL	342	GEM-300-178P1SL	347	GEM-300-198P2SL	332	GEM-300-317P25SL	341	GEM-300-337P1SL	343
GEM-300-158P5SL	342	GEM-300-178P2SL	347	GEM-300-199P100SL	337	GEM-300-317P5SL	341	GEM-300-337P2SL	343
GEM-300-159P100SL	343	GEM-300-179P100SL	347	GEM-300-199P1SL	337	GEM-300-318P100SL	341	GEM-300-338P100SL	343
GEM-300-159P1SL	343	GEM-300-179P10SL	347	GEM-300-199P20SL	337	GEM-300-318P1SL	341	GEM-300-338P10SL	343
GEM-300-159P20SL	343	GEM-300-179P1SL	347	GEM-300-199P5SL	337	GEM-300-318P25SL	341	GEM-300-338P1SL	343
GEM-300-159P5SL	343	GEM-300-179P2SL	347	GEM-300-200P100SL	337	GEM-300-318P5SL	341	GEM-300-338P2SL	343
GEM-300-160P100SL	343	GEM-300-180P100SL	348	GEM-300-200P1SL	337	GEM-300-319P100SL	342	GEM-300-339P100SL	346
GEM-300-160P200SL	343	GEM-300-180P1SL	348	GEM-300-200P20SL	337	GEM-300-319P1SL	342	GEM-300-339P1SL	346
GEM-300-160P5SL	343	GEM-300-180P20SL	348	GEM-300-200P5SL	337	GEM-300-319P25SL	342	GEM-300-339P20SL	346
GEM-300-161P100SL	343	GEM-300-180P5SL	348	GEM-300-201P100SL	351	GEM-300-319P5SL	342	GEM-300-339P5SL	346
GEM-300-161P10SL	343	GEM-300-181P100SL	350	GEM-300-201P1SL	351	GEM-300-320P100SL	342	GEM-300-340P100SL	346
GEM-300-161P1SL	343	GEM-300-181P1SL	350	GEM-300-201P20SL	351	GEM-300-320P1SL	342	GEM-300-340P10SL	346
GEM-300-161P2SL	343	GEM-300-181P25SL	350	GEM-300-201P5SL	351	GEM-300-320P25SL	342	GEM-300-340P1SL	346
GEM-300-162P100SL	344	GEM-300-181P5SL	350	GEM-300-202P10SL	347	GEM-300-320P5SL	342	GEM-300-340P2SL	346
GEM-300-162P1SL	344	GEM-300-182P100SL	350	GEM-300-202P1SL	347	GEM-300-321P100SL	342	GEM-300-341P100SL	347
GEM-300-162P20SL	344	GEM-300-182P1SL	350	GEM-300-202P5SL	347	GEM-300-321P1SL	342	GEM-300-341P10SL	347
GEM-300-162P5SL	344	GEM-300-182P25SL	350	GEM-300-300P100SL	335	GEM-300-321P20SL	342	GEM-300-341P1SL	347
GEM-300-163P100SL	344	GEM-300-182P5SL	350	GEM-300-300P1SL	335	GEM-300-321P5SL	342	GEM-300-341P2SL	347
GEM-300-163P10SL	344	GEM-300-183P100SL	348	GEM-300-300P25SL	335	GEM-300-322P100SL	342	GEM-300-342P100SL	347
GEM-300-163P1SL	344	GEM-300-183P10SL	348	GEM-300-300P5SL	335	GEM-300-322P10SL	342	GEM-300-342P10SL	347
GEM-300-163P2SL	344	GEM-300-183P1SL	348	GEM-300-301P100SL	336	GEM-300-322P1SL	342	GEM-300-342P1SL	347
GEM-300-163P100SL	344	GEM-300-183P2SL	348	GEM-300-301P1SL	336	GEM-300-322P2SL	342	GEM-300-342P2SL	347
GEM-300-164P1SL	344	GEM-300-184P100SL	351	GEM-300-301P500SL	336	GEM-300-323P100SL	342	GEM-300-343P100SL	348
GEM-300-164P20SL	344	GEM-300-184P1SL	351	GEM-300-302P100SL	342	GEM-300-323P10SL	342	GEM-300-343P1SL	348
GEM-300-164P5SL	344	GEM-300-184P25SL	351	GEM-300-302P10SL	342	GEM-300-323P1SL	342	GEM-300-343P20SL	348
GEM-300-165P100SL	344	GEM-300-184P5SL	351	GEM-300-302P1SL	342	GEM-300-323P2SL	342	GEM-300-343P5SL	348
GEM-300-165P1SL	344	GEM-300-185P100SL	351	GEM-300-302P2SL	342	GEM-300-324P100SL	342	GEM-300-344P100SL	350
GEM-300-165P20SL	344	GEM-300-185P10SL	351	GEM-300-303P100SL	336	GEM-300-324P10SL	342	GEM-300-344P1SL	350
GEM-300-165P5SL	344	GEM-300-185P1SL	351	GEM-300-303P10SL	336	GEM-300-324P1SL	342	GEM-300-344P25SL	350
GEM-300-166P100SL	344	GEM-300-185P2SL	351	GEM-300-303P1SL	336	GEM-300-324P2SL	342	GEM-300-344P5SL	350
GEM-300-166P10SL	344	GEM-300-186P100SL	351	GEM-300-303P2SL	336	GEM-300-325P100SL	342	GEM-300-345P100SL	350
GEM-300-166P1SL	344	GEM-300-186P10SL	351	GEM-300-304P10SL	336	GEM-300-325P10SL	342	GEM-300-345P1SL	350
GEM-300-166P2SL	344	GEM-300-186P1SL	351	GEM-300-304P1SL	336	GEM-300-325P1SL	342	GEM-300-345P25SL	350
GEM-300-167P100SL	343	GEM-300-186P2SL	351	GEM-300-304P50SL	336	GEM-300-325P2SL	342	GEM-300-345P5SL	350
GEM-300-167P1SL	343	GEM-300-187P100SL	351	GEM-300-305P10SL	336	GEM-300-326P100SL	342	GEM-300-346P100SL	348
GEM-300-167P25SL	343	GEM-300-187P10SL	351	GEM-300-305P1SL	336	GEM-300-326P1SL	342	GEM-300-346P10SL	348
GEM-300-167P5SL	343	GEM-300-187P1SL	351	GEM-300-306P100SL	337	GEM-300-326P25SL	342	GEM-300-346P1SL	348
GEM-300-168P100SL	343	GEM-300-187P2SL	351	GEM-300-306P1SL	337	GEM-300-326P5SL	342	GEM-300-346P2SL	348
GEM-300-168P1SL	343	GEM-300-188P100SL	351	GEM-300-306P1SL	337	GEM-300-327P100SL	342	GEM-300-347P100SL	351
GEM-300-168P20SL	343	GEM-300-188P10SL	351	GEM-300-306P2SL	337	GEM-300-327P10SL	342	GEM-300-347P1SL	351
GEM-300-168P5SL	343	GEM-300-188P1SL	351	GEM-300-307P100SL	337	GEM-300-327P1SL	342	GEM-300-347P25SL	351
GEM-300-169P100SL	343	GEM-300-188P2SL	351	GEM-300-307P10SL	337	GEM-300-327P2SL	342	GEM-300-347P5SL	351
GEM-300-169P10SL	343	GEM-300-189P100SL	352	GEM-300-307P1SL	337	GEM-300-328P100SL	342	GEM-300-348P100SL	351
GEM-300-169P1SL	343	GEM-300-189P10SL	352	GEM-300-307P2SL	337	GEM-300-328P10SL	342	GEM-300-348P10SL	351
GEM-300-169P2SL	343	GEM-300-189P1SL	352	GEM-300-308P100SL	337	GEM-300-328P1SL	342	GEM-300-348P1SL	351
GEM-300-170P100SL	343	GEM-300-189P2SL	352	GEM-300-308P1SL	337	GEM-300-328P2SL	342	GEM-300-348P2SL	351
GEM-300-170P10SL	343	GEM-300-190P10SL	352	GEM-300-308P20SL	337	GEM-300-329P100SL	342	GEM-300-349P100SL	351
GEM-300-170P1SL	343	GEM-300-190P1SL	352	GEM-300-308P5SL	337	GEM-300-329P10SL	342	GEM-300-349P10SL	351
GEM-300-170P2SL	343	GEM-300-190P50SL	352	GEM-300-309P100SL	338	GEM-300-329P1SL	342	GEM-300-349P1SL	351
GEM-300-171P100SL	343	GEM-300-191P100SL	351	GEM-300-309P1SL	338	GEM-300-329P2SL	342	GEM-300-349P2SL	351
GEM-300-171P1SL	343	GEM-300-191P1SL	351	GEM-300-309P20SL	338	GEM-300-330P100SL	343	GEM-300-350P100SL	351
GEM-300-171P20SL	343	GEM-300-191P1uSL	351	GEM-300-309P5SL	338	GEM-300-330P1SL	343	GEM-300-350P10SL	351
GEM-300-171P5SL	343	GEM-300-191P5SL	351	GEM-300-310P10SL	341	GEM-300-330P25SL	343	GEM-300-350P1SL	351
GEM-300-172P100SL	346	GEM-300-192P100SL	351	GEM-300-310P1SL	341	GEM-300-330P5SL	343	GEM-300-350P2SL	351
GEM-300-172P10SL	346	GEM-300-192P10SL	351	GEM-300-310P50SL	341	GEM-300-331P1000SL	343	GEM-300-351P100SL	351

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
GEM-300-351P10SL	351	GEM-300-511P100SL	344	GEM-400-161-DSL	337	GF-0060-10SL	338	GR08L-100UGCN	189
GEM-300-351P1SL	351	GEM-300-511P1SL	344	GEM-400-162-DSL	337	GF-0060-50SL	338	GR09L-100UGCN	189
GEM-300-351P2SL	351	GEM-300-511P20SL	344	GEM-400-163SL	346	GF-010-1000SL	352	GR11-100UGCN	186
GEM-300-352P100SL	351	GEM-300-511P5SL	344	GEM-400-164SL	337	GF-010-100SL	352	GR11L-100UGCN	186
GEM-300-352P1SL	351	GEM-300-512P100SL	343	GEM-400-165-P100SL	333	GF-010-10SL	352	GR13-100UGCN	185
GEM-300-352P20SL	351	GEM-300-512P10SL	343	GEM-400-165-P50SL	333	GF-010-50SL	352	GR13L-100UGCN	185
GEM-300-352P5SL	351	GEM-300-512P1SL	343	GEM-400-432-PSL	350	GF-0120-1000SL	337	GR15-100UGCN	185
GEM-300-353P100SL	352	GEM-300-512P2SL	343	GEM-400-435-PSL	350	GF-0120-100SL	337	GR15L-100UGCN	185
GEM-300-353P10SL	352	GEM-300-513P100SL	348	GEM-400-442-PSL	350	GF-0120-10SL	337	GR18-100UGCN	188
GEM-300-353P1SL	352	GEM-300-513P1SL	348	GEM-400-443-PSL	350	GF-0120-50SL	337	GR31L-100UGCN	186
GEM-300-353P2SL	352	GEM-300-513P20SL	348	GEM-400-444-PSL	350	GF-0220-1000SL	343	GR32L-100UGCN	185
GEM-300-354P100SL	352	GEM-300-513P5SL	348	GEM-400-445-PSL	350	GF-0220-100SL	343	GR36-100UGCN	186
GEM-300-354P10SL	352	GEM-300-514P100SL	351	GEM-400-446-PSL	350	GF-0220-10SL	343	GR37-100UGCN	190
GEM-300-354P1SL	352	GEM-300-514P10SL	351	GEM-400-447-PSL	350	GF-0220-50SL	343	GR39-100ULCN	185
GEM-300-354P2SL	352	GEM-300-514P1SL	351	GEM-400-495SL	344	GF-0250-1000SL	343	HAM-001SL	338
GEM-300-355P100SL	344	GEM-300-514P2SL	351	GEM-400-700SL	335	GF-0250-100SL	343	HAMA-PURSL	338
GEM-300-355P1SL	344	GEM-300-515P100SL	351	GEM-500-102SL	333	GF-0250-10SL	343	HC08-8MLCN	273
GEM-300-355P20SL	344	GEM-300-515P1SL	351	GEM-600-100SL	352	GF-0250-50SL	343	HCS30-1EACN	272
GEM-300-355P5SL	344	GEM-300-515P20SL	351	GEM-600-300-FSL	346	GF-026-1000SL	333	HR301-100UGCN	186
GEM-300-356P100SL	332	GEM-300-515P5SL	351	GEM-600-301-FSL	346	GF-026-100SL	333	HX0514-1CN	172
GEM-300-356P10SL	332	GEM-300-516P100SL	352	GEM-600-310-FSL	338	GF-026-10SL	333	IF01-100UGCN	190
GEM-300-356P2SL	332	GEM-300-516P10SL	352	GEM-600-311-FSL	351	GF-040-1000SL	351	IF02L-100UGCN	184
GEM-300-357P100SL	337	GEM-300-516P1SL	352	GEM-700-100-PHSL	334	GF-040-100SL	351	IF03L-100UGCN	185
GEM-300-357P1SL	337	GEM-300-516P2SL	352	GEM-700-100-PJSL	334	GF-040-10SL	351	IM03-100UGCN	183
GEM-300-357P20SL	337	GEM-300-517P100SL	332	GEM-700-100-PKSL	334	GF-040-50SL	351	IM09L-100UGCN	187
GEM-300-357P5SL	337	GEM-300-517P10SL	332	GEM-700-101-PHSL	334	GF-0460-1000SL	337	IM1012-50UGCN	187
GEM-300-358P100SL	341	GEM-300-517P1SL	332	GEM-700-101-PJSL	334	GF-0460-100SL	337	IM1014-50UGCN	186
GEM-300-358P10SL	341	GEM-300-517P2SL	332	GEM-700-101-PKSL	334	GF-0460-10SL	337	IM13L-100UGCN	190
GEM-300-358P1SL	341	GEM-300-518P100SL	336	GEM-700-102-PHSL	334	GF-0460-50SL	337	IM15L-100UGCN	190
GEM-300-358P2SL	341	GEM-300-518P1SL	336	GEM-700-102-PJSL	334	GF05-200UGCN	185	IM16-100UGCN	183
GEM-300-359P100SL	342	GEM-300-518P20SL	336	GEM-700-102-PKSL	334	GF-057-100SL	332	IM27L-100UGCN	183
GEM-300-359P10SL	342	GEM-300-519P100SL	343	GEM-700-104-PHSL	334	GF-057-10SL	332	IM29L-100UGCN	188
GEM-300-359P1SL	342	GEM-300-519P10SL	343	GEM-700-104-PJSL	334	GF-057-50SL	332	IM31L-100UGCN	188
GEM-300-359P2SL	342	GEM-300-519P1SL	343	GEM-700-104-PKSL	334	GF06-100UGCN	189	IM32-100UGCN	189
GEM-300-360P100SL	351	GEM-300-519P2SL	343	GEM-700-105-PHSL	334	GF-070-1000SL	337	IM33-100UGCN	186
GEM-300-360P10SL	351	GEM-300-700P100SL	351	GEM-700-105-PJSL	334	GF-070-100SL	337	IM35-100UGCN	186
GEM-300-360P1SL	351	GEM-300-700P1SL	351	GEM-700-105-PKSL	334	GF-070-10SL	337	IM36-100UGCN	187
GEM-300-360P2SL	351	GEM-300-700P2SL	351	GEM-700-106-PHSL	334	GF-070-50SL	337	IM37-100UGCN	187
GEM-300-500P100SL	336	GEM-300-700P5SL	332	GEM-700-106-PJSL	334	GF-080-1000SL	337	IM40-100UGCN	187
GEM-300-500P10SL	336	GEM-400-100-PSL	337	GEM-700-106-PKSL	334	GF-080-100SL	337	IM42-100UGCN	187
GEM-300-500P1SL	336	GEM-400-101-HSL	332	GEM-700-107-PHSL	334	GF-080-10SL	337	IM43-100UGCN	189
GEM-300-500P2SL	336	GEM-400-102-FSL	352	GEM-700-107-PJSL	334	GF-080-50SL	337	IM51-100UGCN	186
GEM-300-501P100SL	337	GEM-400-102-HSL	337	GEM-700-107-PKSL	334	GF-0850-1000SL	340	IM55-100UGCN	183
GEM-300-501P1SL	337	GEM-400-103-FSL	352	GEM-700-108-PHSL	334	GF-0850-100SL	340	IM57-100UGCN	187
GEM-300-501P20SL	337	GEM-400-104-HSL	337	GEM-700-108-PJSL	334	GF-0850-10SL	340	IM68-100UGCN	187
GEM-300-501P5SL	337	GEM-400-105-P2SL	334	GEM-700-108-PKSL	334	GF-0880-1000SL	343	IM71-100UGCN	187
GEM-300-502P10SL	341	GEM-400-105-P5SL	334	GEM-700-109-PHSL	333	GF-0880-100SL	343	IP02-1.5MLCN	258
GEM-300-502P1SL	341	GEM-400-106-HSL	343	GEM-700-109-PJSL	333	GF-0880-10SL	343	IP04-1.5MLCN	258
GEM-300-502P50SL	341	GEM-400-106-PHSL	343	GEM-700-109-PKSL	333	GF-0880-50SL	343	IP05-1.5MLCN	258
GEM-300-503P100SL	341	GEM-400-106-PJSL	343	GEM-700-110-LSL	333	GF-090-1000SL	342	IP10-10MLCN	258
GEM-300-503P1SL	341	GEM-400-106-PKSL	343	GEM-700-111-LSL	334	GF-090-100SL	342	KP31817-15MGCN	236
GEM-300-503P20SL	341	GEM-400-107-1SL	337	GEM-700-112-PSL	333	GF-090-10SL	342	KP31817-15MGCN	238
GEM-300-504P100SL	341	GEM-400-107-6SL	337	GEM-700-912-PSL	333	GF-090-50SL	342	KP31817-15ML	234
GEM-300-504P10SL	341	GEM-400-108-1SL	337	GEM-800-107-PSL	340	GF-0950-100SL	352	KP31817-15MLCN	237
GEM-300-504P1SL	341	GEM-400-108-6SL	337	GEM-800-112-PSL	342	GF-0950-10SL	352	KP31817-15MLCN	239
GEM-300-504P2SL	341	GEM-400-109-HSL	347	GEM-800-120-SSL	340	GF-0950-50SL	352	KP31817-15MLCN	240
GEM-300-505P100SL	341	GEM-400-109-P100SL	347	GEM-800-121-SSL	340	GF10-100UGCN	189	KP31817-15MLCN	241
GEM-300-505P1SL	341	GEM-400-109-P25SL	347	GEM-800-125-P25SL	340	GF-1110-1000SL	336	KP31817-15MLCN	242
GEM-300-505P25SL	341	GEM-400-110-HSL	343	GEM-800-125-P5SL	340	GF-1110-100SL	336	KP31817-15MLCN	243
GEM-300-505P5SL	341	GEM-400-111-P1SL	337	GEM-800-126-P5SL	340	GF-1110-10SL	336	KP31817-MLCN	235
GEM-300-506P100SL	341	GEM-400-111-P5SL	337	GEM-800-129-PSL	337	GF-1110-50SL	336	LP02-100UGCN	186
GEM-300-506P1SL	341	GEM-400-113-JSL	337	GEM-800-130-PSL	333	GF-1140-1000SL	344	MED-201SL	336
GEM-300-506P25SL	341	GEM-400-114-P1SL	343	GEM-800-131-PSL	333	GF-1140-100SL	344	MED-203SL	336
GEM-300-506P5SL	341	GEM-400-114-P5SL	343	GEM-900-108-FSL	337	GF-1140-10SL	344	MED-207SL	336
GEM-300-507P100SL	342	GEM-400-118-PSL	351	GEM-900-208-FSL	337	GF-1140-50SL	344	MED-208SL	336
GEM-300-507P10SL	342	GEM-400-121-P100SL	346	GEM-900-630-FSL	351	GF-117-100SL	332	MED-210SL	336
GEM-300-507P1SL	342	GEM-400-121-P25SL	346	GF-0020-100SL	338	GF-117-10SL	332	MED-214SL	338
GEM-300-507P2SL	342	GEM-400-123-PSL	341	GF-0020-10SL	338	GF-117-25SL	332	MED-215SL	342
GEM-300-508P100SL	342	GEM-400-123SL	341	GF-0020-50SL	338	GF16-200UGCN	189	MED-216SL	342
GEM-300-508P1SL	342	GEM-400-128-PSL	347	GF-0030-1000SL	338	GF-170-1000SL	346	MED-223SL	332
GEM-300-508P25SL	342	GEM-400-130-PSL	332	GF-0030-100SL	338	GF-170-100SL	346	MED-225SL	343
GEM-300-508P5SL	342	GEM-400-130-PSSL	332	GF-0030-10SL	338	GF-170-10SL	346	MED-227SL	343
GEM-300-509P100SL	342	GEM-400-134-P10SL	344	GF-0030-50SL	338	GF25-100UGCN	190	MED-228SL	343
GEM-300-509P10SL	342	GEM-400-134-P5SL	344	GF-0050-1000SL	338	GF35L-100UGCN	183	MED-229SL	350
GEM-300-509P1SL	342	GEM-400-135SL	337	GF-0050-100SL	338	GF39-100UGCN	185	MED-230SL	350
GEM-300-509P2SL	342	GEM-400-138-PSL	348	GF-0050-10SL	338	GF53-100UGCN	189	MED-232SL	350
GEM-300-510P1000SL	343	GEM-400-150-HSL	352	GF-0050-50SL	338	GR01-100UGCN	184	MED-246SL	336
GEM-300-510P200SL	343	GEM-400-151-HSL	352	GF-0060-1000SL	338	GR01L-100UGCN	184	MOLPRO_GB	92
GEM-300-510P5SL	343	GEM-400-160-DSL	337	GF-0060-100SL	338	GR07-100UGCN	186	MX0100-20CN	174

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
MX0160-1CN	174	OP146-100UGCN	186	PC246-100UGCN	185	PF118-5UGCN	194	PK2BLF-808-HSL	345
MX0160-20CN	174	OP14L-100UGCN	184	PC253L-100ULCN	183	PF124-20UGCN	182	PK2BLF-808-XSL	345
MX0160-7CN	174	OP15-100UGCN	184	PC255L-100ULCN	188	PF125-50UGCN	190	PK2BLIM-808-ASL	345
NA02-100UGCN	182	OP15L-100UGCN	184	PC284-100UGCN	182	PF126-50UGCN	190	PK2BLM-808-DSL	345
NA02A-0.5MLCN	182	OP16-100UGCN	184	PC285-100UGCN	182	PF133-10UGCN	197	PK2BLM-808-XSL	345
NA03-200UGCN	188	OP16L-100UGCN	184	PC287-100UGCN	182	PF138-25UGCN	197	PK2CD-808-DSL	345
NA13-100UGCN	188	OP17-100UGCN	184	PC315-500UGCN	190	PF140-5UGCN	194	PK2CD-808-ESL	345
NA14-100UGCN	189	OP17-200UGCN	184	PC317L-100UGCN	182	PGN001-1EACN	326	PK2CD-808-FSL	345
NA18-100UGCN	188	OP17L-200UGCN	184	PC319L-100UGCN	185	PGN002-1EACN	326	PK2CD-808-HSL	345
NA19L-100UGCN	188	OP180-100UGCN	187	PC322L-100UGCN	190	PGN003-1EACN	326	PK2CD-808-JSL	345
NA26-100UGCN	187	OP181-100UGCN	184	PC325-50ULCN	183	PGN004-1EA	326	PK2CD-808-SSL	345
NA27-100UGCN	187	OP187-100UGCN	185	PC34-100UGCN	184	PH01-100UGCN	188	PK2CD-808-XSL	345
NA28-100UGCN	186	OP188-100UGCN	185	PC342-100UGCN	186	PH02-100UGCN	188	PK2CD-808-ZSL	345
NA29-100UGCN	187	OP19-100UGCN	183	PC344-100UGCN	187	PH03L-100UGCN	188	PK2CDA-808-DSL	345
NA35-100UGCN	187	OP20-100UGCN	183	PC345-1SETCN	187	PK1008-50ULCN	195	PK2CDA-808-SSL	345
NA46-100UGCN	187	OP21-100UGCN	188	PC347-1SETCN	189	PK1010-50ULCN	195	PK2CDA-808-ZSL	345
NA57-100UGCN	184	OP23-100UGCN	184	PC35-1EACN	187	PK1013-50ULCN	195	PK2CDF-808-DSL	345
NA61-100UGCN	183	OP23-200UGCN	184	PC362-1SETCN	187	PK1109-50ULCN	195	PK2CDF-808-ESL	345
NA63-100UGCN	188	OP24-100UGCN	184	PC362L-100UGCN	188	PK1111-100UGCN	185	PK2CDF-808-HSL	345
NA70-100UGCN	187	OP25-100UGCN	184	PC373-100ULCN	187	PK2-113-DSL	338	PK2CDF-808-JSL	345
NA81-50UGCN	182	OP29-100UGCN	187	PC376-100UGCN	187	PK2-113-HSL	338	PK2CDF-808-SSL	345
NB20-100UGCN	182	OP29-200UGCN	187	PC38-100ULCN	184	PK2-114-DSL	332	PK2CDF-808-XSL	345
NB21-100UGCN	187	OP29L-100UGCN	187	PC386-50ULCN	195	PK2-114-ESL	332	PK2CDF-808-ZSL	345
NB37-100UGCN	185	OP31-100UGCN	184	PC388-100UGCN	185	PK2-114-FSL	332	PK2CDF-808-SSL	345
NE1013-50ULCN	188	OP32-100UGCN	188	PC408-100ULCN	185	PK2-114-HSL	332	PK2CDF-808-XSL	345
NE1015-100ULCN	246	OP33-100UGCN	187	PC409-100ULCN	187	PK2-114-JSL	332	PK2CDF-808-ZSL	345
NE1017-100ULCN	246	OP33-20UGCN	187	PC41-100UGCN	183	PK2-114-SSL	332	PK2CDF-808-SSL	345
NE1018-100ULCN	187	OP38-100UGCN	188	PC420-100UGCN	183	PK2-114-XSL	332	PK2CDF-808-XSL	345
NE1019-100ULCN	187	OP39-100UGCN	184	PC421-1SETCN	190	PK2-114-ZSL	332	PK2CDF-808-ZSL	345
NE1020-100ULCN	187	OP40-100UGCN	188	PC435-100ULCN	187	PK2-118-DSL	335	PK2CDF-808-SSL	345
NE1022-100ULCN	195	OP43-100UGCN	187	PC449-25ULCN	195	PK2-118-ESL	335	PK2CDF-808-XSL	345
NE1023-100ULCN	187	OP43-20UGCN	187	PC450-25ULCN	195	PK2-118-FSL	335	PK2CDF-808-ZSL	345
NE1024-100ULCN	188	OP43A-.5MLCN	187	PC459-25ULCN	195	PK2-118-HSL	335	PK2F-113-SSL	338
NE1037-100UGCN	183	OP43L-100UGCN	187	PC460-25ULCN	195	PK2-118-JSL	335	PK2F-114-DSL	332
NE1040-100UGCN	188	OP44-100UGCN	182	PC461-25ULCN	195	PK2-118-QSL	335	PK2F-114-ESL	332
NE1042-100UGCN	186	OP45-100UGCN	184	PC474-50ULCN	188	PK2-118-SSL	335	PK2F-114-ZSL	332
NI01-100UGCN	195	OP46-100UGCN	186	PC491-100UGCN	189	PK2-118-XSL	335	PK2F-123-DSL	338
NI02-100UGCN	195	OP53-100UGCN	184	PC522-100UGCN	182	PK2-118-ZSL	335	PK2F-123-ESL	338
NI03-100UGCN	195	OP55-100UGCN	184	PC53-100UGCN	185	PK2-119-DSL	350	PK2F-123-HSL	338
NI04-100UGCN	195	OP60-100UGCN	183	PC538-50ULCN	183	PK2-119-ESL	350	PK2GO-444-DSL	343
NR07-100UGCN	188	OP62-100UGCN	182	PC544-50UGCN	185	PK2-119-FSL	350	PK2GO-444-ESL	343
NS01L-1MLCN	195	OP64-100UGCN	187	PC548-50UGCN	188	PK2-119-HSL	350	PK2GO-444-FSL	343
NS02L-1MLCN	195	OP64-20UGCN	187	PC56-100UGCN	186	PK2-119-JSL	350	PK2GO-444-HSL	343
NS03L-1MLCN	195	OP64F-100UGCN	187	PC563-100UGCN	186	PK2-119-SSL	350	PK2GO-444-JSL	343
NX0403-2CN	175	OP66-100UGCN	188	PC57-100UGCN	187	PK2-119-XSL	350	PK2GO-444-SSL	343
NX0403-6CN	175	OP67-100UGCN	184	PC630-100ULCN	183	PK2-120-DSL	334	PK2GO-444-XSL	343
OB05-100UGCN	185	OP68-100UGCN	187	PC635-50ULCN	195	PK2-120-ESL	334	PK2GO-444-ZSL	343
OP01-100UGCN	190	OP74-100UGCN	188	PC645-10TCN	184	PK2-120-FSL	334	PK2GO-444-SSL	343
OP01A-0.5MLCN	190	OP76-100UGCN	187	PC66-100UGCN	183	PK2-120-HSL	334	PK2GO-444-DSL	343
OP02-100UGCN	190	OP79-100UGCN	187	PC67-100UGCN	183	PK2-120-JSL	334	PK2GO-444-ESL	343
OP03-100UGCN	187	OP80-100UGCN	182	PC679-50UGCN	183	PK2-120-SSL	334	PK2GO-444-XSL	343
OP03-20UGCN	187	OP91-100UGCN	183	PC68-100UGCN	183	PK2-120-ZSL	334	PK2GO-444-SSL	343
OP03L-100UGCN	187	OP92-100UGCN	183	PC686-100UGCN	188	PK2-123-DHCSL	339	PK2GO-444-DSL	343
OP07-100UGCN	190	OP93-100UGCN	183	PC69-100UGCN	185	PK2-123-DSL	339	PK2GO-444-SSL	343
OP07L-100UGCN	190	OP95-100UGCN	183	PC709-100ULCN	187	PK2-123-ESL	339	PK2GO-444-XSL	343
OP09-100UGCN	187	OP97-100UGCN	187	PC711-100ULCN	184	PK2-123-FSL	339	PK2GO-444-ZSL	343
OP09-200UGCN	187	OR03L-200UGCN	197	PC712-100ULCN	188	PK2-123-HCSL	339	PK2GO-444-SSL	343
OP10-200UGCN	184	OS03B-200UGCN	188	PC730-100ULCN	186	PK2-123-HMCSL	339	PK2GO-444-DSL	343
OP104L-100UGCN	187	OX0165-4CN	176	PC742-100ULCN	183	PK2-123-HSL	339	PK2GO-444-ESL	343
OP107-100UGCN	183	PC04-100UGCN	184	PF017-1UGCN	329	PK2-123-JSL	339	PK2GO-444-XSL	343
OP108-100UGCN	188	PC05L-100UGCN	184	PF019-3UGCN	226	PK2-123-LSL	339	PK2GO-444-SSL	343
OP109-100UGCN	188	PC08-100UGCN	184	PF021-3UGCN	226	PK2-123-SSL	339	PK2GO-444-DSL	343
OP10F-100UGCN	184	PC09-100UGCN	188	PF023-5UGCN	194	PK2-123-XSL	339	PK2GO-444-SSL	343
OP10L-200UGCN	184	PC10L-100UGCN	188	PF024-5UGCN	194	PK2-123-ZSL	339	PK2GO-444-DSL	343
OP115-100UGCN	186	PC116-100UGCN	183	PF032-1EACN	246	PK2-303-FSL	351	PK2GO-444-ESL	343
OP119-100UGCN	184	PC130-100ULCN	188	PF033-10UGCN	192	PK2-303-HSL	351	PK2GO-444-XSL	343
OP120-100UGCN	184	PC138-100ULCN	187	PF036-1EACN	246	PK2-303-SSL	351	PK2GO-444-SSL	343
OP128-100UGCN	188	PC150-25UGCN	183	PF037-10UGCN	194	PK2-404-DSL	347	PK2GO-444-DSL	343
OP128-10UGCN	188	PC154-100ULCN	185	PF038-10UGCN	194	PK2BC-808-DSL	344	PK2GO-444-SSL	343
OP128L-100UGCN	188	PC16-100UGCN	185	PF039-10UGCN	328	PK2BC-808-ZSL	344	PK2GO-444-DSL	343
OP13-100UGCN	187	PC165L-100ULCN	187	PF048-50UGCN	328	PK2BCM-808-DSL	344	PK2GO-444-ESL	343
OP133-100UGCN	186	PC168-100UGCN	185	PF060-.155MLCN	197	PK2BCM-808-ESL	344	PK2GO-444-XSL	343
OP134-100UGCN	186	PC176-100ULCN	189	PF063-10UGCN	194	PK2BCM-808-JSL	344	PK2GO-444-SSL	343
OP13L-100UGCN	187	PC177L-100ULCN	189	PF073-2UGCN	329	PK2BL-808-DSL	345	PK2GO-444-DSL	343
OP140-100UGCN	187	PC205L-100ULCN	183	PF074-10UGCN	329	PK2BL-808-JSL	345	PK2GO-444-SSL	343
OP14-100UGCN	184	PC21-100UGCN	188	PF078-50UGCN	328	PK2BL-808-SSL	345	PK2GO-444-DSL	343
OP143-100UGCN	186	PC213L-100ULCN	185	PF082-50UGCN	197	PK2BL-808-ZSL	345	PK2GO-444-ESL	343
OP144-100UGCN	186	PC223L-100ULCN	187	PF092-5UGCN	192	PK2BLF-808-DSL	345	PK2GO-444-XSL	343
OP145-100UGCN	186	PC234L-100ULCN	190	PF117-10UGCN	194			PK2GO-444-SSL	343

Availability of the products that of animal origin is subject to government regulations. Please check with your local MM representative before ordering.

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
PLHIF-202-HSL	333	PLHSD-909-SSL	349	PSEIM-120-ESL	334	PSHGO-444-ZSL	344	REA-112SL	347
PLHIF-404-ESL	347	PLHSD-909-ZSL	349	PSEIM-123-ESL	339	PSHGOIM-444-ZSL	344	REA-114SL	343
PLHIM-113-XSL	338	PLHSDIF-909-ZSL	349	PSEIM-123-HSL	339	PSHGOM-444-HSL	344	REA-115SL	343
PLHIM-114-DSL	332	PLHSDIM-909-XSL	349	PSEIM-123-JSL	339	PSHHWHF-909-DSL	350	REA-117SL	338
PLHIM-114-ESL	332	PLHSDIM-909-ZSL	349	PSEIM-123-PSL	339	PSHIF-118-DSL	336	REA-200SL	336
PLHIM-114-JSL	332	PLHSDM-909-DSL	349	PSEM-123-ESL	339	PSHIF-123-JSL	339	REA-201SL	336
PLHIM-114-ZSL	332	PLHSDM-909-ESL	349	PSEM-123-SSL	339	PSHIF-123-XSL	339	REA-202SL	338
PLHIM-118-DSL	335	PLHSDM-909-HSL	349	PSEIZ-505-HSL	348	PSHIM-118-DSL	336	REA-203SL	338
PLHIM-118-ESL	335	PLHSDM-909-JSL	349	PSED-909-DSL	349	PSHIM-123-DSL	340	S-113-DSL	338
PLHIM-118-SSL	335	PLHSDM-909-SSL	349	PSED-909-HSL	349	PSHIM-123-HSL	340	S-113-ZSL	338
PLHIM-118-XSL	335	PLHSDM-909-ZSL	349	PSED-909-PSL	349	PSHIM-123-JSL	340	S-114-DSL	333
PLHIM-120-ESL	334	PLHSN-444-DSL	344	PSED-909-SSL	349	PSHIM-123-SSL	340	S-114-ESL	333
PLHIM-123-ASL	339	PLHYK-404-HSL	347	PSED-909-ZSL	349	PSHIM-123-XSL	340	S-114-FSL	333
PLHIM-123-DSL	339	PLHYK-404-SSL	347	PSEF-114-DSL	333	PSHIM-123-ZSL	340	S-114-HSL	333
PLHIM-123-ESL	339	PLHYKI-404-XSL	347	PSEF-114-ESL	333	PSHNZ-505-DSL	348	S-114-JSL	333
PLHIM-123-HSL	339	PLHYU-444-DSL	344	PSEF-118-DSL	336	PSHNZ-505-ESL	348	S-114-SSL	333
PLHIM-123-JSL	339	PP69-25MGCN	190	PSEF-123-DSL	339	PSHNZ-505-FSL	348	S-114-XSL	333
PLHIM-123-SSL	339	PPOSF-123-DSL	339	PSEF-123-FSL	339	PSHNZ-505-HSL	348	S-114-ZSL	333
PLHIM-123-XSL	339	PPOSF-123-HSL	339	PSEF-123-PSL	339	PSHNZ-505-JSL	348	S-118-DSL	336
PLHIM-123-ZSL	339	PPOSF-123-SSL	339	PSEFGO-444-DSL	344	PSHNZ-505-SSL	348	S-118-ESL	336
PLHIM-202-DSL	333	PPOSFCDM-808-DSL	346	PSEFIF-114-ZSL	332	PSHSD-909-DSL	349	S-118-FSL	336
PLHIM-202-HSL	333	PPOSFCDM-909-DSL	349	PSEFIF-118-ZSL	335	PSHSD-909-ESL	349	S-118-HSL	336
PLHIM-404-ESL	347	PPOSFNFZ-505-DSL	348	PSEFIM-118-ZSL	336	PSHSD-909-HSL	349	S-118-JSL	336
PLHLR-404-DSL	347	PPOSFSD-909-DSL	349	PSEFSD-909-DSL	349	PSHSD-909-JSL	349	S-118-SSL	336
PLHM-113-DSL	338	PS1008-100ULCN	195	PSEYK-404-SSL	347	PSHSD-909-SSL	349	S-118-XSL	336
PLHM-114-DSL	332	PS1013-10TCN	196	PSEYK-404-XSL	347	PSHSD-909-ZSL	349	S-118-ZSL	336
PLHM-114-ESL	332	PS1014-100ULCN	195	PSH-114-DSL	333	PSHSD-909-ZSL	349	S-119-DSL	350
PLHM-114-HSL	332	PS1019-100ULCN	195	PSH-114-ESL	333	PSHSDIF-909-XSL	349	S-119-ESL	350
PLHM-114-JSL	332	PS1023-500ULCN	196	PSH-114-FSL	333	PSHSDIM-909-XSL	349	S-119-FSL	350
PLHM-114-SSL	332	PS1089-100ULCN	196	PSH-114-HSL	333	PSHSDM-909-DSL	349	S-119-HSL	350
PLHM-118-DSL	335	PSC-202-FSL	333	PSH-114-JSL	333	PSHSDM-909-JSL	349	S-119-JSL	350
PLHM-118-ESL	335	PSC-202-HSL	333	PSH-114-SSL	333	PSHSDM-909-XSL	349	S-119-SSL	350
PLHM-118-HSL	335	PSC-303-MSL	351	PSH-114-XSL	333	PW0002-30CN	169	S-119-XSL	350
PLHM-118-JSL	335	PSC-404-DSL	347	PSH-114-ZSL	333	PX0040-1CN	176	S-119-ZSL	350
PLHM-118-SSL	335	PSC-707-FSL	337	PSH-118-DSL	336	PX0390-1CN	176	S-120-DSL	335
PLHM-118-XSL	335	PSC-707-JSL	337	PSH-118-ESL	336	QIA10-1EACN	250	S-120-ESL	335
PLHM-118-ZSL	335	PSCPR-404-JSL	347	PSH-118-FSL	336	QIA112-1KITCN	250	S-120-FSL	335
PLHM-119-DSL	350	PSCSD-909-DSL	349	PSH-118-HSL	336	QIA113-1KITCN	246	S-120-HSL	335
PLHM-123-DSL	339	PSCSD-909-ESL	349	PSH-118-JSL	336	QIA115-1KITCN	246	S-120-JSL	335
PLHM-123-ESL	339	PSCSD-909-FSL	349	PSH-118-SSL	336	QIA117-1KITCN	247	S-120-SSL	335
PLHM-123-FSL	339	PSCSD-909-HSL	349	PSH-118-XSL	336	QIA119-1KITCN	250	S-120-XSL	335
PLHM-123-HSL	339	PSCSD-909-JSL	349	PSH-118-ZSL	336	QIA120-1KITCN	246	S-120-ZSL	335
PLHM-123-JSL	339	PSCSD-909-SSL	349	PSH-119-DSL	350	QIA125-1KITCN	247	S-123-DHCSL	340
PLHM-123-SSL	339	PSCSD-909-ZSL	349	PSH-119-ESL	350	QIA127-1KITCN	247	S-123-DMCSL	340
PLHM-123-XSL	339	PSCSDF-909-DSL	349	PSH-119-FSL	350	QIA128-1KITCN	247	S-123-DSL	340
PLHM-202-HSL	333	PSCSDF-909-ESL	349	PSH-119-HSL	350	QIA129-1KITCN	246	S-123-ESL	340
PLHM-202-JSL	333	PSCSDF-909-HSL	349	PSH-119-JSL	350	QIA130-1KITCN	250	S-123-FMCSL	340
PLHM-303-DSL	351	PSCSDF-909-JSL	349	PSH-119-SSL	350	QIA20-1EACN	246	S-123-FSL	340
PLHM-444-DSL	344	PSCSDF-909-SSL	349	PSH-119-XSL	350	QIA21-1EACN	246	S-123-HHCSL	340
PLHM-505-DSL	348	PSCSDF-909-ZSL	349	PSH-119-ZSL	350	QIA23-1EACN	250	S-123-HMCSL	340
PLHM-808-DSL	346	PSCSDIM-909-VSL	349	PSH-120-DSL	334	QIA27-1EACN	250	S-123-HSL	340
PLHM-808-XSL	346	PSCSDM-909-ESL	349	PSH-120-JSL	334	QIA29-1EACN	250	S-123-JHCSL	340
PLHM-808-ZSL	346	PSCSDM-909-HSL	349	PSH-123-DSL	340	QIA33-1EACN	247	S-123-JMCSL	340
PLHNZ-505-DSL	348	PSCSDM-909-JSL	349	PSH-123-ESL	340	QIA39-1EACN	246	S-123-JSL	340
PLHNZ-505-ESL	348	PSCSDM-909-SSL	349	PSH-123-FSL	340	QIA40-1EACN	250	S-123-MHCSL	340
PLHNZ-505-FSL	348	PSCSDM-909-ZSL	349	PSH-123-HSL	340	QIA52-1EACN	250	S-123-MSL	340
PLHNZ-505-HSL	348	PSCYK-404-DSL	347	PSH-123-JSL	340	QIA54-1EACN	250	S-123-SSL	340
PLHNZ-505-JSL	348	PSCYK-404-SSL	347	PSH-123-SSL	340	QIA55-1EACN	250	S-123-XSL	340
PLHNZ-505-SSL	348	PSE-114-DSL	332	PSH-123-XSL	340	QIA56-1EACN	250	S-123-ZSL	340
PLHNZ-505-ZSL	348	PSE-114-HSL	332	PSH-123-ZSL	340	QIA58-1000TESTCN	246	S-303-SSL	351
PLHNZF-505-DSL	348	PSE-114-SSL	332	PSHCD-808-DSL	346	QIA58-200TESTCN	246	S-404-LSL	347
PLHNZF-505-JSL	348	PSE-114-ZSL	332	PSHCD-808-ESL	346	QIA59-1EACN	250	S-404-SSL	347
PLHNZIF-505-ESL	348	PSE-118-DSL	336	PSHCD-808-FSL	346	QIA61-1EACN	250	S-668-ESL	347
PLHNZM-505-DSL	348	PSE-118-SSL	336	PSHCD-808-HSL	346	QIA63-1EACN	250	S-707-SSL	337
PLHNZM-505-HSL	348	PSE-123-DSL	339	PSHCD-808-JSL	346	QIA70-1KITCN	246	SBC-808-DSL	345
PLHNZM-505-JSL	348	PSE-123-ESL	339	PSHCD-808-SSL	346	QIA71-1KITCN	246	SBC-808-ESL	345
PLHNZM-505-SSL	348	PSE-123-FSL	339	PSHCD-808-XSL	346	QIA72-1KITCN	246	SBC-808-HSL	345
PLHNZM-505-ZSL	348	PSE-123-HSL	339	PSHCD-808-ZSL	346	QIA76-100TESTCN	247	SBC-808-JSL	345
PLHSD-909-DSL	349	PSE-123-JSL	339	PSHCD-808-JSL	346	QIA87-1KITCN	246	SBC-808-SSL	345
PLHSD-909-ESL	349	PSE-303-MSL	351	PSHCDIF-808-XSL	346	QIA88-1KITCN	266	SBCF-808-DSL	345
PLHSD-909-FSL	349	PSECD-808-DSL	346	PSHCDIM-808-XSL	346	QIA90-1KITCN	246	SBCF-808-HSL	345
PLHSD-909-HSL	349	PSECD-808-ESL	346	PSHCDM-808-HSL	346	QIA91-1KITCN	246	SBCIF-808-ASL	345
PLHSD-909-JSL	349	PSECD-808-HSL	346	PSHGO-444-DSL	344	QIA92-1KITCN	246	SBCIM-808-ASL	345
PLHSD-909-SSL	349	PSECD-808-SSL	346	PSHGO-444-ESL	344	QIA93-1KITCN	246	SBCM-808-DSL	345
PLHSD-909-ZSL	349	PSEIF-114-DSL	333	PSHGO-444-FSL	344	QIA96-1KITCN	250	SBCM-808-XSL	345
PLHSDF-909-DSL	349	PSEIF-123-HSL	339	PSHGO-444-HSL	344	QIA97-1KITCN	246	SBL-808-DSL	345
PLHSDF-909-ESL	349	PSEIF-123-JSL	339	PSHGO-444-JSL	344	QIA99-1KITCN	250	SBL-808-ESL	345
PLHSDF-909-HSL	349	PSEIF-123-ZSL	339	PSHGO-444-SSL	344	REA-104SL	343	SBL-808-MSL	345
PLHSDF-909-JSL	349	PSEIM-114-DSL	332	PSHGO-444-XSL	344	REA-107SL	332	SBL-808-SSL	345

Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.	Catalogue No.	Page No.
SBLF-808-DSL	345	SIF-118-ZSL	336	SM-123-XSL	340	ST1512-100UGCN	184	ST1685-100UGCN	189
SBLIF-808-ASL	345	SIF-119-DSL	350	SNZ-505-DSL	348	ST1513-100UGCN	192	ST1686-100ULCN	182
SBLIM-808-ASL	345	SIF-119-XSL	350	SNZ-505-ESL	348	ST1517-100UGCN	188	ST1689-100UGCN	185
SBLM-808-DSL	345	SIF-120-ESL	334	SNZ-505-FSL	348	ST1521-100UGCN	190	ST1698-100UGCN	188
SC1000-50UGCN	187	SIF-120-JSL	334	SNZ-505-HSL	348	ST1523-100UGCN	184	ST1699-100UGCN	187
SC1002-100UGCN	189	SIF-120-XSL	334	SNZ-505-JSL	348	ST1529-100UGCN	186	ST1701-100UGCN	183
SCD-808-DSL	346	SIF-120-ZSL	334	SNZ-505-SSL	348	ST1533-100UGCN	182	ST1703-100UGCN	184
SCD-808-ESL	346	SIF-123-DHCSL	340	SNZ-505-XSL	348	ST1535-100UGCN	187	ST1704-100UGCN	189
SCD-808-FSL	346	SIF-123-DMCSL	340	SNZ-505-ZSL	348	ST1543-100UGCN	185	ST1705-100UGCN	189
SCD-808-HSL	346	SIF-123-DSL	340	SNZIF-505-DSL	348	ST1549-50UGCN	185	ST1709-100UGCN	189
SCD-808-HSSL	346	SIF-123-ESL	340	SNZIF-505-ESL	348	ST1551-100UGCN	192	ST1711-100UGCN	184
SCD-808-JSL	346	SIF-123-HHCSL	340	SNZIF-505-KSL	348	ST1553-100UGCN	190	ST1714-100UGCN	188
SCD-808-JSSL	346	SIF-123-HMCSL	340	SNZIF-505-TSL	348	ST1554-100UGCN	182	ST1717-100UGCN	183
SCD-808-SSL	346	SIF-123-HSL	340	SNZIF-505-ZSL	348	ST1558-100UGCN	182	ST1718-100UGCN	189
SCD-808-XSL	346	SIF-123-JHCSL	340	SNZIM-505-DSL	348	ST1564-100UGCN	184	SX0850-3CN	177
SCD-808-ZSL	346	SIF-123-JMCSL	340	SNZIM-505-ESL	348	ST1568-100UGCN	184	SYK-404-HSL	347
SCDF-808-HSL	346	SIF-123-JSL	340	SNZIM-505-KSL	348	ST1569-200ULCN	184	SYK-404-SSL	347
SCDF-808-SSL	346	SIF-123-SSL	340	SNZIM-505-TSL	348	ST1571-100UGCN	185	SYKIF-404-JSL	347
SCDIF-808-ASL	346	SIF-123-ZSL	340	SNZIM-505-ZSL	348	ST1576-100UGCN	187	SYKIM-404-JSL	347
SCDIM-808-ASL	346	SIM-113-XSL	338	SSD-909-DSL	349	ST1578-100UGCN	186	SYNYK-404-DSL	347
SCDM-808-HSL	346	SIM-114-DSL	333	SSD-909-ESL	349	ST1579-100UGCN	185	TEQESP_GB	92
SCDM-808-SSL	346	SIM-114-ESL	333	SSD-909-FSL	349	ST1581-100UGCN	186	Tissues-303-SKINSL	351
SCDN-808-DSL	345	SIM-114-JSL	333	SSD-909-HSL	349	ST1582-100UGCN	186	U-114-DSL	333
SCDN-808-JSL	345	SIM-114-XSL	333	SSD-909-JSL	349	ST1587-100UGCN	187	U-114-ESL	333
SF-114-DSL	333	SIM-118-ASL	336	SSD-909-SSL	349	ST1598-100UGCN	190	U-114-HSL	333
SF-118-SSL	336	SIM-118-DSL	336	SSD-909-ZSL	349	ST1600-100UGCN	182	U-114-JSL	333
SF-119-SSL	350	SIM-118-ESL	336	SSDIF-909-ZSL	349	ST1602-100UGCN	182	U-114-SSL	333
SF-123-DSL	340	SIM-118-JSL	336	SSDIM-909-ZSL	349	ST1604-100UGCN	182	U-123-DSL	340
SF-123-ESL	340	SIM-118-XSL	336	SSDM-909-DSL	349	ST1606-100UGCN	182	U-123-ESL	340
SF-123-FMCSL	340	SIM-118-ZSL	336	SSDM-909-HSL	349	ST1608-100UGCN	189	U-123-FSL	340
SF-123-FSL	340	SIM-119-DSL	350	SSDM-909-JSL	349	ST1611-100UGCN	185	U-123-HSL	340
SF-123-HSL	340	SIM-119-ESL	350	SSDM-909-SSL	349	ST1613-100UGCN	190	U-123-JSL	340
SF-123-JSL	340	SIM-120-DSL	334	SSDM-909-XSL	349	ST1615-100UGCN	185	U-123-SSL	340
SF-123-SMCSL	340	SIM-120-ESL	334	ST1013-10TCN	195	ST1617-100UGCN	189	U-123-XSL	340
SF-123-SSL	340	SIM-120-JSL	334	ST1027-50ULCN	182	ST1622-100UGCN	186	UBL-808-MSL	345
SGO-444-DSL	344	SIM-120-XSL	334	ST1029-1SETCN	195	ST1624-50UGCN	182	UBLM-808-KSL	345
SGO-444-ESL	344	SIM-120-ZSL	334	ST1032-100ULCN	189	ST1625-100UGCN	189	UBLM-808-MSL	345
SGO-444-FSL	344	SIM-123-ASL	340	ST1033-50UGCN	189	ST1627-100UGCN	188	UF-123-DSL	340
SGO-444-HSL	344	SIM-123-DHCSL	340	ST1042-50UGCN	188	ST1629-100UGCN	185	UF-123-ESL	340
SGO-444-JSL	344	SIM-123-DMCSL	340	ST1049-100ULCN	182	ST1630-100UGCN	185	UF-123-HSL	340
SGO-444-SSL	344	SIM-123-DSL	340	ST1053-100ULCN	182	ST1631-100UGCN	183	UF-123-JSL	340
SGO-444-XSL	344	SIM-123-ESL	340	ST1069-50UGCN	195	ST1632-100ULCN	183	UF-123-SSL	340
SGO-444-ZSL	344	SIM-123-HSL	340	ST1070-50UGCN	189	ST1633-100UGCN	187	UIF-123-ESL	340
SGOIM-444-ZSL	344	SIM-123-JHCSL	340	ST1088-1SETCN	182	ST1637-100UGCN	186	UIF-123-JSL	340
SHA-115-DSL	338	SIM-123-JMCSL	340	ST1098-50ULCN	188	ST1641-100UGCN	186	UIF-123-KSL	340
SHA-115-FSL	338	SIM-123-JSL	340	ST1099-50ULCN	189	ST1643-100UGCN	188	UIF-123-SSL	340
SHA-115-HSL	338	SIM-123-SSL	340	ST1102-50UGCN	186	ST1650-100UGCN	184	UIF-123-XSL	340
SHA-115-JSL	338	SIM-123-XSL	340	ST1120-50UGCN	186	ST1651-100UGCN	185	UIM-123-ESL	340
SHA-115-SSL	338	SIM-123-ZSL	340	ST1200-100UGCN	190	ST1660-100UGCN	187	UIM-123-JSL	340
SIF-113-XSL	338	SK-KITSL	351	ST1202-1SETCN	188	ST1662-100UGCN	183	UIM-123-SSL	340
SIF-114-DSL	333	SM-114-JSL	333	ST1203-100ULCN	196	ST1670-100UGCN	189	UIM-123-XSL	340
SIF-114-ESL	333	SM-118-HSL	336	ST1204-100ULCN	196	ST1672-100UGCN	184	UM-123-DSL	340
SIF-114-JSL	333	SM-118-SSL	336	ST1502-50UGCN	197	ST1673-100UGCN	182	UM-123-ESL	340
SIF-114-XSL	333	SM-119-SSL	350	ST1504-50ULCN	197	ST1676-100UGCN	189	UM-123-HSL	340
SIF-118-ASL	336	SM-123-DSL	340	ST1505-100UGCN	190	ST1678-100UGCN	189	UM-123-JSL	340
SIF-118-DSL	336	SM-123-ESL	340	ST1506-100UGCN	188	ST1680-100UGCN	185	WB39-10LANECN	273
SIF-118-ESL	336	SM-123-HSL	340	ST1507-100UGCN	182	ST1681-200ULCN	189	WB57-175GMCN	272
SIF-118-JSL	336	SM-123-SSL	340	ST1508-100UGCN	188	ST1682-100UGCN	184	WB59-100MLCN	276
SIF-118-XSL	336			ST1509-100UGCN	188	ST1684-100UGCN	186		

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