deltalab

Your needs, our innovations



TELEPHONE:
+ 34 93 699 50 00

FAX:
+ 34 93 699 45 12

E-MAIL:
General: info@deltalab.es
Marketing: marketing@deltalab.es

MAIL:
Plaza de la Verneda, 1 (Pol. Ind. La Llana)
P.O. BOX 195
08191 RUBÍ (BARCELONA)
SPAIN

WEB:
www.deltalab.es

Dear customers, distributors, suppliers and friends,

It is a great honour to open with these lines the new edition of the DELTALAB catalogue. This year, DELTALAB celebrates its 40th anniversary and we do so with renewed expectations, proud of a job well done during all these years contributing to the development of the laboratory market.
Our mission is always to design, manufacture and distribute laboratory products of the highest quality, in strict compliance with all standards, and meeting the needs of each one of our clients. This gives our brand the distinction of specialization and allows us to present in this catalogue a wide and select range of products, which perfectly suits your activity.
This catalogue is the result of forty years of service and adapting to the challenges of our industry, based on values such as effort, daily commitment, development and constant research.
DELTALAB, in these 40 years has established itself as a leading manufacturer of laboratory consumables in the Spanish market and an important player in international markets. Our products are present in all five continents, and it is a great satisfaction to know that thanks to our distribution network, the unconditional support of our suppliers, and the effort and dedication of all the people who are part of DELTALAB, today our brand is a reference in the daily work of many laboratories around the world.
Our continuing effort to improve and our policy of investment in R&D allow us to make our production processes more efficient year by year and to work intensively on the product development. This is DELTALAB's commitment: promote innovation for an increasingly demanding market.
All this is shown in our motto: **"your needs, our innovations"**.

A new edition is born.

José Sáez Mateos
CEO



Iso Quality Standard

UNE-EN ISO 9001
Quality management systems.
Requirements.

UNE-EN ISO 13485
Medical devices. Quality management systems.
Requirements for regulatory purposes.

CE mark in medical devices (MDD) and medical devices for in vitro diagnostics (IVD)

The CE Mark concerns those products that, affecting human beings, may involve a risk to their health. For that reason they must comply with the following requirements:

- Do not compromise health or clinical status.
- Do not compromise user's health or safety.
- Do not compromise the health or safety of third persons.
- Minimize the risk of errors of use thanks to its ergonomic features and the environment in which it is intended to be used.
- It takes into account the technical knowledge, expertise, experience, training, and medical and physical conditions of the intended users.

The CE Mark implies installations, and work organisation, and systems are submitted to rigorous both internal and external quality controls.
It guarantees the highest level of safety when using those products intended for the sample collection and handling of human samples, both for the patient and for the user.

CE Mark guarantees that those products will be freely commercialised within the European Union. Since December the 7th 2003, the only sanitary products (MDD and IVD) that can be commercialised are those ones with CE Mark.

Medical devices clasification

1. MEDICAL DEVICES (MDD)

According to Directive 93/42/EEC (modified by Directive 2007/47/EC), a MDD Medical Device is "any instrument, device, equipment, material or any other article, including software, developed to be used with human beings, alone or in association with others, with the aim of: diagnosis, prevention, tracing, treatment or relief of a disease; diagnosis, tracing, treatment, relief or compensation in case of an injury or disability; investigation, substitution or modification of anatomy or physiological processes; fertility control; and not designed to perform the main action expected to be obtained by immunizing, pharmaceutical or metabolical means inside or over the human body".

This Directive establishes 4 categories of medical devices; DELTALAB manufactures and markets temporary use product, so: **Class I** (**sterile** and **non sterile**) and **Class IIa**:

- **Class I (Non sterile): Low risk, invasive medical devices**
  It includes: non sterile tongue depressors, speculums... Inspection gloves are considered both as MDD Class I and PPE (Personal Protective Equipment). All of them are self certification products.

- **Class I (sterile): Low risk, sterile, invasive medical devices**
  Among others: sterile tongue depressors, sterile Ayre spatulas, sterile cytology brushes... They are certified by a Notified Body.

- **Class IIa (sterile): Moderated risk medical devices**
  Swabs with and without medium are included in this Class. They are certified by a Notified Body.

  CE Mark allows swabs to be used in surgical operations as an invasive product.

2. MEDICAL DEVICES FOR IN VITRO DIAGNOSTIC (IVD)

According to Directive 98/79/EC, a medical device for in vitro diagnostic is "any medical device consisting on a reagent, reactive product, calibrator, monitoring equipment, instrumentation and equipment cases, sample containers, instrument, apparatus or system designed by the manufacturer to be used in vitro to examine human samples, including blood and tissues donations; with the aim of collecting information: about a physiologic or pathologic status, or a congenital anomaly; or to determine the security and compatibility with potential receptors; or in order to supervise therapeutical measures".

They are considered low risk devices as they are not in touch with human beings and are self certification products.

As an example, sample containers, collection tubes, capillary tubes, etc. are included.

PPE PRODUCTS (Personal Protective Equipment)

According to Directive 89/686/EEC, a PPE product is "any device or system a human being is wearing or using, which protects him from one or various risks that may endanger his health and/or security".
Security glasses and protection gloves are included. Inspection gloves are considered both as MDD and PPE as they protect the user while being a low risk, invasive medical device.

Sales conditions

- Goods are shipped at the purchaser's risk and on the purchaser's account.
- Goods are considered delivered, and at the responsibility of the purchaser, from their shipment from our warehouses. Any problem of transport or other is therefore the entire responsibility of the purchaser from that moment.
- **MINIMUM ORDERING QUANTITY (per total order)** according to our price list.
- **MINIMUM ORDER QUANTITY (per product):** In those products indicated, it is possible to acquire minor quantities from the standard selling unit. In those cases, a surcharge is applied in order to cover the manipulation costs. Please see specific conditions in the Sales Conditions attached to the Price List or contact our Sales Department. Orders over the standard selling unit must be multiple of this standard selling unit.
- Orders must be in complete case quantities unless indicated otherwise.
- Goods delivered are the property of DELTALAB S.L. until paid in full.
- **ORDERS** should be confirmed in writing, stating our code number, description, total quantity and referring to any quotation number that may apply. In case of doubt the code number will have preference over its description.
- For any **CLAIM** please quote our delivery note reference, batch number, product code, total quantity and any other relevant information. Any claim should be made within 60 days of receipt of goods.
- **RETURN OF GOODS**: We only accept the return of goods due to a problem caused by DELTALAB S.L. A prior authorisation must be obtained from our commercial department, in which we will indicate which freight forwarder should be used.
- Weights and measures in this catalogue are in Kgs and cubic meters.

For reasons which are beyond our control we reserve the right to modify the product specifications.

- Please contact us for any **SPECIAL PRODUCT**. In addition to the products listed we can offer a wide range of colour caps, different concentrations of anticoagulants, different configurations of our stainless steel racks and private labelled products.
- **SALES CONDITIONS:** You can see our complete sales conditions at DELTALABs Price list.
- Please contact our commercial department for more information.

Useful information: transport

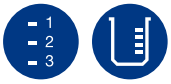
CONTAINERS: CAPACITY:	20 feet: 28 m3 maximum 40 feet: 58 m3 maximum 40 HC feet: 68 m3 maximum
PALLETS:	maximum height land transport: 2.40 m maximum height sea transport: 2.10 m width x depth european pallet: 80 x 120 cm width x depth american pallet: 100 x 120 cm

DELTALAB S.L.

All rights reserved. No part of this catalogue may be reproduced without the prior permission in writing of DELTALAB S.L.

Nomenclator


Stackable


Graduated

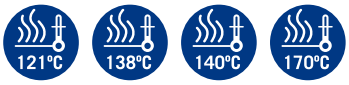


Alphanumerical Identification


Floats



DNAse and RNAse free



Autoclavable (see more information about autoclaving in page 11)



Suitable for PCR



Suitable for QPCR (Real Time PCR)


High resistance tube



Packaged in bags


Product suitable for food use



New



Directive 98/79/EC (in Vitro Diagnostic medical device)



Directive 93/42/EEC (low and moderate risk medical device)



Directive 93/42/EEC (Moderate risk, sterile medical device)



Directive 89/686/EEC (Personal protective equipment)

The technical data (dimensions, capacities and resistances) specified in this catalogue are approximated.
The resistances (to chemical products, temperature, centrifugation…) may suffer variations depending on external conditions.
We recommend to test the product under the forecasted conditions of use. Please do not hesitate to ask for samples if necessary.


A
B
C
D
E

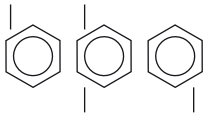
0	Technical information	8
1	Microbiology	14
2	Molecular biology	48
3	Haematology and biochemistry	66
4	Histology, microscopy and staining	84
5	Sampling and transport	108
6	Tubes, microtubes and cryovials	118
7	Sample containers	146
8	Liquid handling	166
9	Sample storage	196
10	Wilmut system	228
11	Small Labware Appliances	234
12	Hygiene, safety and general labware	240
13	Laboratory and industrial packaging	278
14	Index	298

	PELD		PEHD		PP		PS		TPX		ABS		PMMA		PC		PVC		PTFE	
ºC	20	50	20	50	20	50	20	50	20	50	20	50	20	50	20	50	20	50	20	50
1.4 - dioxane	●	■	●	●	■	■	✖	✖	■	■			✖	✖	■	■	✖	✖	●	●
Acetaldehyde	●	✖	●	■	●	✖	✖	✖	●	✖	✖	✖	✖	✖	■	✖	■	✖	●	●
Acetic acid	●	●	●	●	●	●	■	■	●	●	✖	✖	✖	✖	●	■	●	■	●	●
Acetone	■	✖	●	●	●	●	✖	✖	●	●	■	■	✖	✖	✖	✖	✖	✖	●	●
Acrylonitrile	●	●	●	●	■	✖	✖	✖	✖	✖			✖	✖	✖	✖	✖	✖	●	●
Adipic acid	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	■	●	●
Aluminium chloride	●	●	●	●	●	●	●	●	●	●			●	●	✖	✖	●	■	●	●
Aluminium hydroxide	●	●	●	●	●	●	■	■	●	■			■	■	■	✖	●	●	●	●
Allyl alcohol	●	●	●	●	●	●	●	■	●	■			✖	✖	●	■	■	✖	●	●
Amino acids	●	●	●	●	●	●	●	●	●	●					●	●	●	●	●	●
Ammoniac	●	●	●	●	●	●	■	✖	●	●			●	●	✖	✖	■	■	●	●
Ammonic hydroxide (30 %)	●	●	●	●	●	●	■	✖	●	●	●	■	●	●	✖	✖	●	■	●	●
Ammonium chloride	●	●	●	●	●	●	●	●	●	●	●	●	■	■	■	■	●	■	●	●
Amyl acetate	■	✖	●	■	■	✖	✖	✖	●	■			●	●	✖	✖	✖	✖	●	●
Amyl alcohol	●	●	●	●	●	●	■	■	●	●					●	●	■	■	●	●
Amyl chloride	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖			✖	✖	✖	✖	✖	✖	●	●
Aniline	●	■	●	●	●	●	✖	✖	●	■	✖	✖	✖	✖	■	✖	✖	✖	●	●
Aqua regia	✖	✖	✖	✖	■	✖	■	✖	■	■	✖	✖	✖	✖	✖	✖	■	■	●	●
Benzaldehyde	●	●	●	●	●	●	✖	✖	●	●	✖	✖	✖	✖	■	✖	✖	✖	●	●
Benzene	■	✖	●	●	●	■	✖	✖	●	■	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Benzine	■	✖	●	●	■	■	✖	✖	●	■			●	●	■	✖	●	●	●	●
Benzoid acid	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖			✖	✖	■	■	■	■	●	●
Boric acid (10 %)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Bromine	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖			✖	✖	✖	✖	✖	✖	●	●
Bromoform	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖			✖	✖	✖	✖	✖	✖	●	●
Butyl acetate	■	■	●	●	■	■	✖	✖	●	■	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Butyl alcohol	●	●	●	●	●	●	■	✖	●	■	✖	✖	■	✖	■	■	■	■	●	●
Calcium chloride	●	●	●	●	●	●	●	●	●	●			●	●	●	●	■	✖	●	●
Calcium hydroxide	●	●	●	●	●	●	●	■	●	●			●	●	✖	✖	●	●	●	●
Calcium hypoclorit	●	●	●	●	●	●	●	●	●	■			■	■	■	✖	■	✖	●	●
Carbon sulphate	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖			✖	✖	✖	✖	✖	✖	●	●
Carbon tetrachloride	✖	✖	■	✖	✖	✖	✖	✖	✖	✖			■	✖	✖	✖	✖	✖	●	●
Citric acid	●	●	●	●	●	●	●	■	●	●	●	●			●	■	■	■	●	●
Cupric sulphate	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	■	●	●
Chlorine (10 %)	■	✖	■	✖	■	✖	✖	✖	■	✖			■	✖	■	■	■	✖	●	●
Chlorine water	✖	✖	✖	✖	✖	✖	✖	✖	■	✖	●	●	✖	✖	✖	✖	✖	✖	●	●
Chloroform	✖	✖	●	■	✖	✖	✖	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Chlorydic acid (35 %)	●	●	●	●	●	●	■	■	●	●			■	✖	✖	✖	■	✖	●	●
Chromic acid (10 %)	●	●	●	●	●	●	■	■	●	●			■	✖	●	■	●	■	●	●
Chromic acid (50 %)	●	■	●	■	■	■	✖	✖	■	■			✖	✖	■	✖	●	✖	●	●
Chromic sulphate blend	●	✖	●	✖	✖	✖	■	■	■	✖			✖	✖	✖	✖	●	■	●	●
Decahydronaphtalene	■	■	■	■	✖	✖	✖	✖	■	✖			✖	✖	✖	✖	●	■	●	●
Dichlorobenzene	■	✖	■	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Diethylene glycol	●	●	●	●	●	●	■	✖	●	●			✖	✖	■	■	✖	✖	●	●
Dimethyl formamide	●	●	●	●	●	●	✖	✖	●	●			✖	✖	✖	✖	■	✖	●	●
Dimethyl sulphoxide	●	●	●	●	●	●	✖	✖	●	●			✖	✖	✖	✖	✖	✖	●	●
Ether	✖	✖	■	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Ethyl acetate	●	●	●	●	●	●	✖	✖	●	■	✖	✖			✖	✖	✖	✖	●	●
Ethyl alcohol (100%)	●	●	●	●	●	●	✖	✖	●	■	■	■	✖	✖	●	■	●	■	●	●
Ethylene chloride	✖	✖	✖	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Ethylene oxide	■	■	■	■	■	✖	✖	✖	■	✖			✖	✖	■	✖	■	✖	●	●
Fluorine	✖	✖	✖	✖	✖	✖	✖	✖	■	✖			✖	✖	■	■	●	●	●	●
Formaldehyde (40 %)	●	●	●	●	●	●	✖	✖	●	●	■	✖	✖	✖	●	■	■	✖	●	●
Formic acid (98-100 %)	●	●	●	●	●	●	●	■	●	●	■	■	✖	✖	●	■	✖	✖	●	●
Fuel oil	■	✖	●	■	●	●	✖	✖	■	■			■	✖	●	■	✖	✖	●	●
Glacial acetic acid	●	■	●	●	●	■	✖	✖	●	■	✖	✖			✖	✖	●	■	●	●
Glycerine	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Glycol	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●

	PELD		PEHD		PP		PS		TPX		ABS		PMMA		PC		PVC		PTFE	
ºC	20	50	20	50	20	50	20	50	20	50	20	50	20	50	20	50	20	50	20	50
Hexane	✖	✖	●	■	●	■	■	✖	■	✖	✖	✖	●	●	✖	✖	■	✖	●	●
Hydrofluoric acid (40 %)	●	●	●	●	●	●	●	●	●	●			✖	✖	✖	✖	■	✖	●	●
Hydrofluoric acid (70 %)	●	✖	●	■	●	■	✖	✖	●	■			✖	✖	✖	✖	✖	✖	●	●
Hydrogen peroxide (35%)	●	●	●	●	●	●	●	●	●	●	✖	✖	✖	✖	●	●	●	■	●	●
Iodine	✖	✖	✖	✖	●	●	■	✖	●	■			✖	✖	■	✖	✖	✖	●	●
Isobutyl alcohol	●	●	●	●	●	●	■	■	●	●			■	✖	●	●	●	■	●	●
Isopropyl alcohol	●	●	●	●	●	●	■	■	●	●			■	✖	●	●	●	■	●	●
Isopropyl benzene	■	✖	●	■	■	✖	✖	✖	✖	✖			✖	✖	✖	✖	✖	✖	●	●
Lactic acid	●	●	●	●	●	●	●	●	●	●	●	●	■	✖	●	●	■	■	●	●
Mercurous chloride	●	●	●	●	●	●	●	■	●	●			●	●	●	●	✖	✖	●	●
Mercury	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●
Methyl acetate	■	✖	■	■	●	■	✖	✖	●	●	✖	✖			✖	✖	✖	✖	●	●
Methyl alcohol	●	■	●	●	●	●	■	✖	●	●	■	✖	✖	✖	●	■	●	■	●	●
Methyl propyl ketone	●	■	●	●	●	■	✖	✖	■	■			✖	✖	✖	✖	✖	✖	●	●
Methylene chloride	✖	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Mineral oil	●	■	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●
Monochloroacetic acid	●	●	●	●	●	●	✖	✖	●	●			■	✖	■	✖	●	●	●	●
Nitric acid (10 %)	●	●	●	●	●	●	✖	✖	●	●	●	●	●	■	●	■	●	■	●	●
Nitric acid (50 %)	■	■	■	✖	■	✖	✖	✖	■	✖			■	■	●	■	■	✖	●	●
Nitric acid (70 %)	✖	✖	✖	✖	✖	✖	✖	✖	■	✖	✖	✖	■	✖	✖	✖	✖	✖	●	●
Nitrobenxene	✖	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Oxalic acid	●	●	●	●	●	●	●	●	●	●	●	■	●	●	●	●	●	●	●	●
Ozone	●	●	●	●	●	●	■	■	●	●			●	●	●	●	●	■	●	●
Perchloric acid	●	✖	●	✖	●	✖	✖	✖	■	✖	✖	✖	✖	✖	✖	✖	■	✖	●	●
Perchloroethylene	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖			■	✖	✖	✖	✖	✖	●	●
Phenol (100 %)	●	■	●	●	●	●	✖	✖	■	■			✖	✖	✖	✖	✖	✖	●	●
Phosphoric acid (85 %)	●	●	●	●	●	●	●	■	●	●	●	●	✖	✖	●	●	●	■	●	●
Phtalat dibutylic	■	✖	■	✖	●	■	✖	✖	●	■			✖	✖	✖	✖	✖	✖	●	●
Potassium chloride	●	●	●	●	●	●	■	■	●	●			●	●	●	●	●	■	●	●
Potassium hydroxide	●	●	●	●	●	●	■	■	●	●	●	●	●	●	✖	✖	■	■	●	●
Potassium permanganate	●	●	●	●	●	●	●	●	●	●	■	■	●	●	●	●	●	●	●	●
Propylene glycol	●	●	●	●	●	●	●	●	●	●	●	●			●	■	✖	✖	●	●
Propylene oxide	●	●	●	●	●	●	✖	✖	●	●					✖	✖	✖	✖	●	●
Pyridine	●	■	●	■	■	■	✖	✖	●	■	✖	✖	✖	✖	✖	✖	■	✖	●	●
Salicylic acid	●	●	●	●	●	●	●	●	●	●							■	✖	●	●
Salicylic aldehyde	●	●	●	●	●	●	✖	✖	●	●					■	■	✖	✖	●	●
Silver acetate	●	●	●	●	●	●	■	■	●	●			■	■	●	●	■	■	●	●
Silver nitrate	●	●	●	●	●	●	■	■	●	●			●	●	●	●	■	■	●	●
Sodium acetate	●	●	●	●	●	●	●	●	●	●			✖	✖	●	●	■	■	●	●
Sodium dichromate	●	●	●	●	●	●	●	●	●	●			●	●			●	●	●	●
Sodium hydroxide	●	●	●	●	●	●	●	●	●	●	●	●			✖	✖	●	●	●	●
Sulfuric acid (60 %)	●	●	●	●	●	●	✖	✖	●	●			✖	✖	■	■	■	✖	●	●
Sulfuric acid (98 %)	■	✖	■	✖	✖	✖	✖	✖	●	●	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Tartaric acid	●	●	●	●	●	●	●	●	●	●			■	■	●	●	●	●	●	●
Tetrahydrofuran	✖	✖	■	✖	✖	✖	✖	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Toluene	■	✖	■	■	■	✖	✖	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Trichloroethane	✖	✖	■	✖	✖	✖	✖	✖	✖	✖			✖	✖	✖	✖	✖	✖	●	●
Trichloroethylene	✖	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Triethylene glycol	●	●	●	●	●	●	●	■	●	●			■	■	●	■	■	✖	●	●
Tripropylene glycol	●	●	●	●	●	●	●	●	●	●			■	■	●	■	■	✖	●	●
Turpentine	■	✖	■	✖	✖	✖	✖	✖	■	■	✖	✖	●	●	✖	✖	●	●	●	●
Urea	●	●	●	●	●	●	●	●	●	●			●	●	✖	✖	■	✖	●	●
Vinylidene chloride	✖	✖	■	✖	✖	✖	✖	✖	✖	✖			✖	✖	✖	✖	✖	✖	●	●
Xylol	■	✖	■	✖	✖	✖	✖	✖	■	✖	✖	✖	✖	✖	✖	✖	✖	✖	●	●
Zinc chloride (10 %)	●	●	●	●	●	●	●	●	●	●			✖	✖	●	●	●	■	●	●
Zinc sulphate (10 %)	●	●	●	●	●	●	●	●	●	●	✖	✖	■	■	●	●	●	■	●	●

● = Excellent / very good chemical resistance
■ = Good / limited chemical resistance
✖ = Poor chemical resistance

Chemical resistances

	POLYSTYRENE	HIGH DENSITY POLYETHYLENE	LOW DENSITY POLYETHYLENE	POLYPROPYLENE
GENERAL PROPERTIES	**PS**	**PEHD**	**LDPE**	**PP STANDAR**
Structure	Amorphous structure with stable dimensions [– (CH2–CHn) – CH2–CH –] m  [– CH – CH2– (CH – CH2) –] m	The catalytic controlled polymerisation of ethylene minimises the production of compact, lateral structures resulting in a pliable but rigid material. [– CH2– CH2–] n	Ethylene is polymerised under super pressure, which produces a higher number of less compact lateral structures resulting in a material which is more flexible than HDPE. [– CH2– CH2–] n	Polypropylene properties are similar to polyethylene. A methyl group is bonded to each carbon pair, which greatly improves the thermal resistance. Polyethylene becomes brittle when in contact with oxidants for long periods of time. [- CH(CH3) – CH2 -]
Transparency	Optically clear	Opaque	Opaque	Translucent
Mechanical resistance	Rigid / Brittle	Rigid	Flexible	Resists Deformation
Density	1,05 gr/cm2	0,955 gr/cm2	0,924 gr/cm2	0,91 gr/cm2
Max. temperature	70º C	80º C	75º C	121º C
Min. temperature	-10º C	-50º C	-50º C	0º C*
Autoclavable	NO	NO	NO	YES
Gas sterilization	DOSES LIMITED	YES	YES	YES
Gamma irradiation Sterilization	YES	YES	YES	DOSES LIMITED
Beta irradiation Sterilization	YES	YES	YES	YES
Water absorption	< 0,05 %	< 0,01 %	< 0,01 %	< 0,02 %
Properties	-Bright finish -Clear	- Light. - Slight electrostatic Charge	- Light weighted. - Slight electrostatic change - Impact resistant	-Virtually inert

*There are special blends of PP like those from our cryovials, which are able to withstand up to –196 ºC.

	POLYSTYRENE	HIGH DENSITY POLYETHYLENE	LOW DENSITY POLYETHYLENE	POLYPROPYLENE
GENERAL CHEMICAL RESISTANCE	**PS**	**HDPE**	**LDPE**	**PP STANDARD**
Oils	GOOD	GOOD	GOOD	GOOD
Acids	LIMITED*	GOOD*	GOOD*	GOOD*
Alcohol	GOOD	GOOD	GOOD	GOOD
Bases	GOOD	GOOD	GOOD	GOOD
Ketones	POOR	LIMITED	LIMITED	LIMITED
Esters	POOR	LIMITED	LIMITED	LIMITED
Fats	GOOD	GOOD	GOOD	GOOD
Hydrocarbons -aromatics	POOR	GOOD	LIMITED	GOOD
Hydrocarbons Chloride	See chemical resistance table**	LIMITED	LIMITED	See chemical resistant table**
Hydrocarbons Halogenated	POOR	LIMITED	LIMITED	LIMITED
Metals (Cu, Mn, Co)	See chemical resistance table**	See chemical resistant table**	See chemical resistant table**	LIMITED
Oxidants	See chemical resistance table**	LIMITED/POOR	LIMITED/POOR	LIMITED/POOR

* Poor resistance to strong oxidant acids
** Chemical resistances of plastics are detailed in a specific table

Sterilisation methods

METHOD	PROCEDURE	RECOMMENDED FOR	PRECAUTIONS	LIMITATIONS
Dry heat	Direct action of dry heat 190 ºC for 80' or 160 ºC (130-160').	Glassware, metals and liquids.	High temperatures may damage fragile metals.	The own material's limitations. High heat soaking may unacceptabbly affect material properties.
Autoclave,Super Heated Steam under pressure	Action of 3 elements: temperature, water steam and pressure 121 ºC (15'), 134 ºC (5')	Glassware, fabrics, liquids etc. All materials resistant to heat above 121 ºC and moisture.	Not recommended for most ordinary plastics. When autoclaving capped containers, total closure shall be avoided	Generally used for the sterilisation of small articles.
Ethylene Oxide ("EO Gas")	Used alone, associated with freon or carbon dioxyde. 55 to 60 ºC (2-3h), 27 ºC to 33 ºC (5h30)	Generally all materials, some exceptions.	Requires a subsequent ventilation to ensure sterilised products are free of residual gases that may be toxic.	Ethylene oxide is toxic and explosive.
Gamma irradiation (Radioactive cobalt source)	By radiations emitted by a radioactive source	Widely used in industries to sterilise single use material. Sterilisation doses are calculated from bioburden counts.	Limitations in some applications, as some material properties may be unacceptably altered by this method.	Effects on material are cumulative, therefore gamma sterilised products are not resterilisable, by most conventional methods, after first use.
Beta irradiation (non radioactive particle accelerator)	High energy electron beam	Widely used in industries to sterilise single use material. Sterilisation doses are calculated from bioburden counts.	Limitation in some applications, as some material properties may be unacceptably altered by this method.	Affects on material are cumulative, therefore beta sterilised products are not resterilisable, by most conventional methods, after first use.
Chemical (Formol-Aldehydes)	Chemical products are steam and heat	Special applications, minimal industrial use.	Toxic	Requires specialised sterilisation equipment and procedures.

STERILE A STERILIZATION TYPE: in this case the parts are not sterilized at the end of its manufacture process since is the process by itself which is able to obtain a sterile product. This is because the entire process from injection of different plastic components to the assembly is protected by a sterile atmosphere, thanks to the cowling of the entire installation and the placement of laminar flows that create an overpressure sterile air inside the facilities.

The sterilization indicator labels are small round stickers that change their color when the material is properly sterilized:
Radiation: from yellow to red.
Ethylene oxide: from violet to green.

Technical information

Glove properties chart

	LATEX	NITRILE	VINYL
Mechanical resistance			
- Perforation	■	■	■
- Tearing	■	■	■
Adequate for foodstuff handling	✖	■	✖
Comfort	■	■	■

Glove chemical resistance chart

Diluted mineral acids			
Hydrochloric acid	■	■	■
Chromic acid	✖	■	■
Nitric acid	■	■	■
Perchloric acid	■	■	■
Phosphoric acid and Sulphuric acid	■	■	■
Concentrated acids			
Chlorhidric acid	■	■	■
Chromic acid	✖	■	■
Nitric acid	■	■	■
Sulphuric acid	✖	✖	■
Hydrocarbon and oil by products			
Aniline	■	■	✖
White spirit	✖	■	■
Styrene	✖	■	■
Gasoline, Hexane, Paraffine, Kerosene	✖	■	■



Maximum resistance of nitrile gloves 125 ºC.
■ : Excelent; ■ : Good;
■ : Limited; ✖ : Not recommended
These indications are solely for information. It is strongly recommended that the user carries out preliminary testings.

Centrifugation:

Conversion G - R.P.M.

The relative centrifugal force (RCF) can be determined using the formula:

$$FCR = 1{,}118 \times 10\text{-}6 \times r \times n^2$$

r= radius of the rotor (mm); distance between the axis of the rotor and the farest wall of the tube.
n= rotating speed (revolutions per minute).
The result is expressed in terms of acceleration (g); 1 g is equal to 9,807 m/s².
It is recommended that the centrifuge caps fit in size and shape to the tubes to be centrifuged.

Conversion chart xg - R.P.M.

r \ xg	1,000 xg	1,500 xg	2,000 xg	2,500 xg	3,000 xg	3,500 xg	4,000 xg	4,500 xg	5,000 xg	10,000 xg	15,000 xg
50 mm	rpm 4,227	5,177	5,978	6,683	7,321	7,908	8,454	8,967	9,452	13,367	16,371
75 mm	3,451	rpm 4,227	4,881	5,457	5,978	6,457	6,903	7,321	7,717	10,914	13,367
100 mm	2,989	3,661	rpm 4,227	4,726	5,177	5,592	5,978	6,340	6,683	9,452	11,576
125 mm	2,673	3,274	3,781	rpm 4,227	4,630	5,001	5,347	5,671	5,978	8,454	10,354
150 mm	2,440	2,989	3,451	3,859	rpm 4,227	4,566	4,881	5,177	5,457	7,717	9,452
175 mm	2,259	2,767	3,195	3,572	3,913	rpm 4,227	4,519	4,793	5,052	7,145	8,751
200 mm	2,113	2,588	2,989	3,342	3,661	3,954	rpm 4,227	4,483	4,725	6,683	8,185
225 mm	1,993	2,440	2,818	3,151	3,451	3,728	3,985	rpm 4,227	4,456	6,301	7,717
250 mm	1,890	2,315	2,673	2,989	3,274	3,537	3,781	4,010	rpm 4,227	5,978	7,321

Technical information

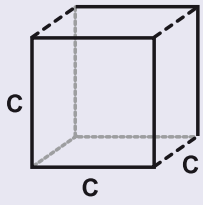
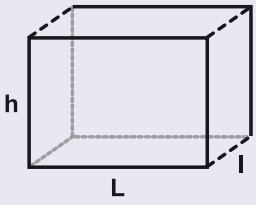
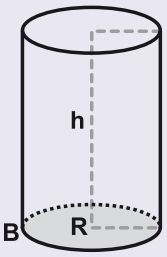
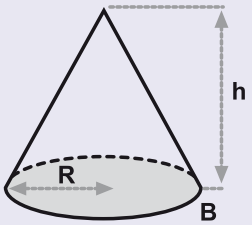
Metric equivalences

ANGLO-SAXON MEASURES	METRIC SYSTEM
Length: 1 inch (in) = 2.54 cm 12 in = 1 foot (ft) = 30.48 cm 3 ft = 1 yard (yd) = 91.44 m 1,760 yd = 1 mile = 5,280 ft = ±1.6093 km	1 centimeter (cm) = 0.01 metro (m) 1 millimeter (mm) = 0.1 cm 1 micron (µm) = 0.001 mm 1 nanometer (nm) = 0.001 µm
Volume: 1 cubic inch (in^3) = 16.387 cm^3 1,728 in^3 = 1 cubic foot (ft^3) = 0.0283 m^3 27 ft^3 = 1 cubic yard (yd^3) = 0.7646 m^3	1,000 mm^3 = 1 cubic centimeter (cm^3) 1,000 cm^3 = 1 cubic decimeter (dm^3) 1,000 dm^3 = 1 cubic meter (m^3)
Capacity: 1 ounce EUA (fl.oz) = 29.57 ml 1 gallon EUA = 3.7854 l 1 gill = 0.142 l 4 gills = 1 pint = 0.5683 l 2 pints (pt) = 1 cuarto (qt) = 1.1365 l 4 qt = 1 brit gallon = 4.5461 l	1 microliter (µl)= 0.001 ml 1 milliliter (ml) = 0.001 l 1 centiliter (cl) = 0.01 l 1 deciliter (dl) = 0.1 l 1 cubic decimeter (dm^3) = 1 l 1 hectoliter (hl) = 100 l
Weight : 1 ounce (oz) = 28,349 g (1 g = 0.035 oz) 16 oz = 1 pound (lb) = 0.4536 kg 112 lb = 1 hundredweight (cwt) = 50.80 kg	1 kilogramme (kg) = 1,000 g 1 milligramme(mg) = 0.001 g 1 microgramme (µg) = 0.001 mg

Pressure: conversion

IS EQUAL TO:	
1 at (technical atmosphere)	0.980665 bar
1 Atm (physical atmosphere)	1.01325 bar
1 Atm	1.033 at
1 bar	105 Pa (Pascal)
1 Torr	1.3332 mbar (milibar)

How to figure out volumes

CUBE	RECTANGULAR PRISM	CYLINDER	CONE
			
V = C3	V = (l x h) x l	S = 2πRh (lateral volume) V = Bh = π R2h	$V = \frac{Bh}{3} = \frac{\pi R2h}{3}$

Conversion (ºF - ºC - ºK)

ºF (Farenheit) = (ºC x 1,8) + 32	ºC (Celsius) = (ºF – 32) x 0,556	ºK (Kelvin) = ºC + 273,15


TERILE


TERILE

Swabs for microbiological sampling

Swabs are used for biological sampling.

Specially used for processing samples which, after being coloured, will be analysed by microscopy.

Also suitable for isolations in culture medium.

Another important use is its capacity to spread dishes by dissemination techniques (for example for susceptibility testing by Kirby-Bauer or by E-test).

Swabs class IIa

The swabs for the collection and transport of microbiological samples are considered invasive surgical-type product and with a use, in compliance with the essential requirements of the "Directive 93/42/EEC. Medical devices". According to the classification rules contained in this Directive, the swabs are part of Class IIa.

The **Agencia Española del Medicamento y Productos Santarios** (AEMPS – ON 0318) is the institution who certifies these swabs.

Presentations



In bulk: the non-sterile swabs presented in bags of 100 units.



Peel-pack package: single bag. Paper (fiber free) which can be peeled. It consists in one side of medical paper and another side of polyethylene.



Flow-pack package: single bag. Polypropylene bioriented bag.



Package in polypropylene tube: The product is identified on the label.

All sort of package have the following parameters printed on: product code, product description, lot number, expiry date, CE mark, manufacturer name and address, sterilisation method and single use mark ②.

Quality standards – Requirements fulfilled by swabs

1. UNE-EN ISO 556-1 Sanitary products sterilisation. Requirements to be designed as "STERILE". Part 1: sterilised sanitary products requirements.
2. UNE-EN ISO 868-2 Packaging materials for medical devices sterilized in its final phase. Part 2: sterilization wrap. Requirements and test methods.
3. UNE-EN ISO 11737-1 Sterilization of medical devices. Microbiological methods. Part 1: determination of a population of microorganisms.
4. UNE-EN ISO 11737-2 Sterilization of medical devices. Microbiological methods. Part 2: sterility tests conducted to validate a sterilization process.
5. UNE-EN ISO 11135-1 Sterilization of medical devices. Ethylene oxide. Part 1: requirements for development, validation and control of the routine of a sterilization process of medical devices.
6. UNE-EN ISO 11137-1 Sterilization of health care products. Radiation. Part 1: requirements for the development, validation, and control of the routine of a sterilization process of PS.
7. UNE-EN ISO 11137-2 Sterilization of health care products. Radiation. Part 2: setting the sterilization dose.
8. UNE-EN ISO 15223-1 Sanitary products. Symbols to use on labels, labelling and information to be supplied. Part 1: general requirements.
9. UNE-EN ISO 14971 Sanitary products. Application of risk on management.
10. UNE-EN ISO 13485 Sanitary products. Systems of quality management. Requirements for regulatory purposes.



See other swabs in **Chapter 12. Safety and general Labware**

Non sterile swabs

Model **300232** is longer than the traditional swabs and is designed for those hard to reach places.
For use in **gynaecology** when taking endocervical cells while using the speculum.

Dimensions:
300232 shaft 200 x 2.5 mm. Tip 5 mm Ø.
300205 shaft 147 mm ± 0.3 mm x 2.2 mm ± 0.3 mm Ø.

Other models dimensions:
Wood: shaft 150 x 2.2 mm (tip Ø ± 5 mm).
Plastic: shaft 150 x 2.5 mm (tip Ø ± 5 mm).
Aluminium: shaft 150 x 0.9 mm (tip Ø ± 1.5 mm).

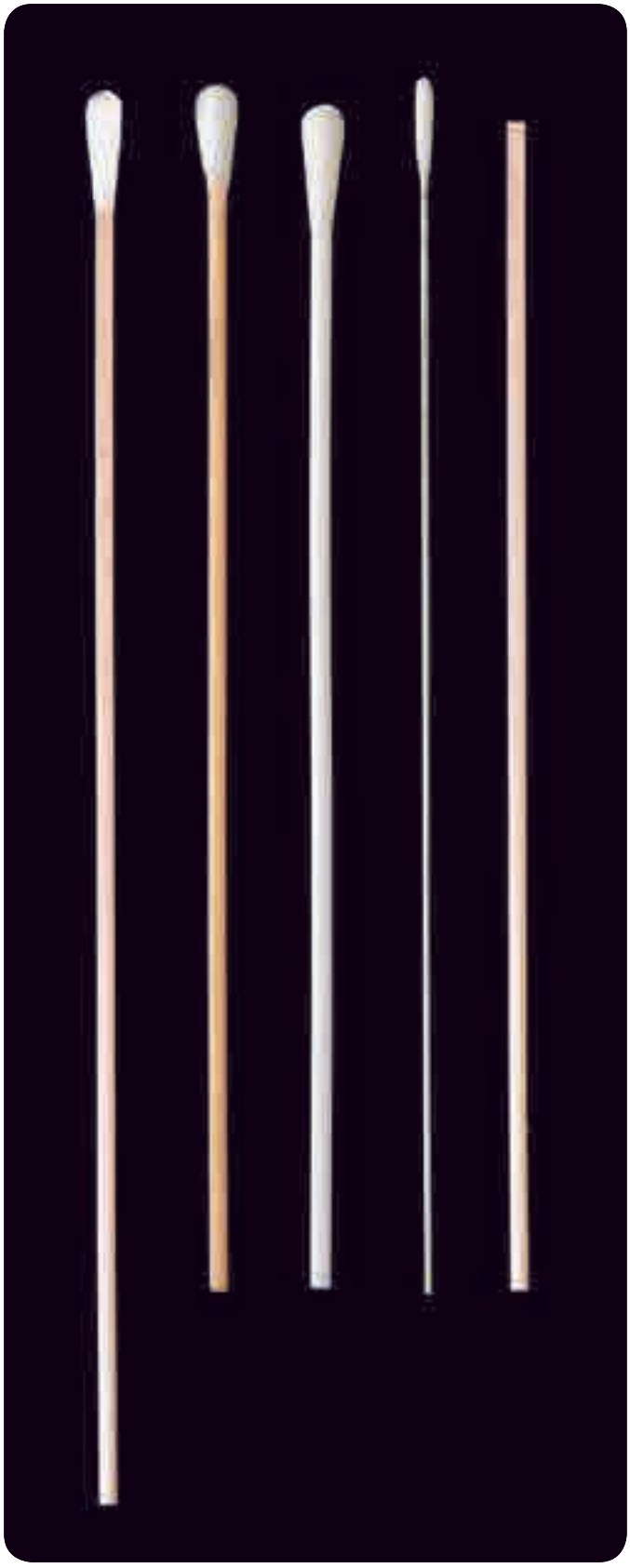
They are supplied in bags of 100 units, excepting code **300205**, supplied bulk.

code	description	case quantity	case weight	case volume
300232	extra large wood (200 mm) + cotton	80 x 100	5.00	0.032
300230	standard wood (150 mm) + cotton	100 x 100	4.65	0.032
300260	polypropylene + cotton	40 x 100	2.50	0.012
300243	aluminium + cotton	10 x 100	2.80	0.005
300205*	wooden shaft only	1 x 1,000	0.25	0.010

* Non CE product

Expiry date: 60 months

CE MDD



All swabs have a round, compact and shred resistant head for a proper sampling avoiding fiber loose.



Wood | Snappable polystyrene | Aluminium





Sterile swabs

Sterile swabs individually wrapped in peel-pack or flow pack, depending on the model. **Sterilized by ethylene oxide**.
For use when samples do not need to be transported.
We recommend our transport swabs in tubes when sample transport is required (see next page).

code	description	package	case quantity	case weight	case volume
300200	wood + cotton	peel-pack	2 x 1,000	2.25	0.029
310200	wood + cotton	flow-pack	2 x 1,000	2.60	0.029
300201	snappable PS + cotton	peel-pack	2 x 1,000	2.80	0.027
300202	snappable PS + viscose	peel-pack	2 x 1,000	3.50	0.029
310202	snappable PS + viscose	flow-pack	2 x 1,000	2.02	0.029
300203	aluminium + cotton	peel-pack	2 x 1,000	2.40	0.029

Cases per pallet: 54.
Expiry date: 48 month from sterilization date.

1. Flow-pack
2. Peel-pack

A: Wood
B: Snappable polystyrene
C: Aluminium

Sterile swabs (2 units)

Two Sterile swabs wrapped in peel-pack, depending on the model. **Sterilized by ethylene oxide.**
One swab is designed for cleaning the sampling area.
The other swab is designed for sample collection.
For use when samples do not need to be transported.
We recommend our transport swabs in tubes when sample transport is required
1,000 peel-packs with 2 units each one per case.

code	description	package	case quantity	case weight	case volume
300210	wood + cotton	peel-pack	1,000	2.65	0.024
300211.1	snappable PS + cotton	peel-pack	1,000	2.72	0.025

Cases per pallet: 54.
Expiry date: 48 month from sterilization date.





Sterile swab in round tube

Sterile dry swabs supplied in shockproof round bottom polypropylene tube, with a label sealing the cap.
Dimensions of tube: Ø 13 x 165 mm.
Sterilised by ethylene oxide.

code	description	case quantity	case weight	case volume	cases per pallet
300250	wood + cotton	4 x 500	14.76	0.060	24
300259	wood + viscose	4 x 500	14.00	0.070	24
300261	snappable polystyrene + cotton	4 x 500	14.90	0.070	24
300252	snappable polystyrene + viscose	4 x 500	15.00	0.066	24
300251	aluminium + cotton	4 x 500	15.00	0.066	24
300253	aluminium + viscose	4 x 500	13.90	0.070	24
300263	snappable polystyrene + polyester	4 x 500	15.00	0.062	24
300250.1	wood + pure cotton	4 x 500	14.00	0.070	24
300254	twisted aluminium + viscose	4 x 500	13.90	0.070	24
NEW **300265***	polystyrene + flocked polyester	4 x 500	14.20	0.065	24

Expiry date: 48 month from sterilization date.
*Code not available for sale in Italy.

Twisted aluminium: This is a material excepcionally flexible to use it in sensitive zones as nasopharyngeal, ocular or for pediatric uses.

Flocked polyester: material with high absorbency and overall sample elution.

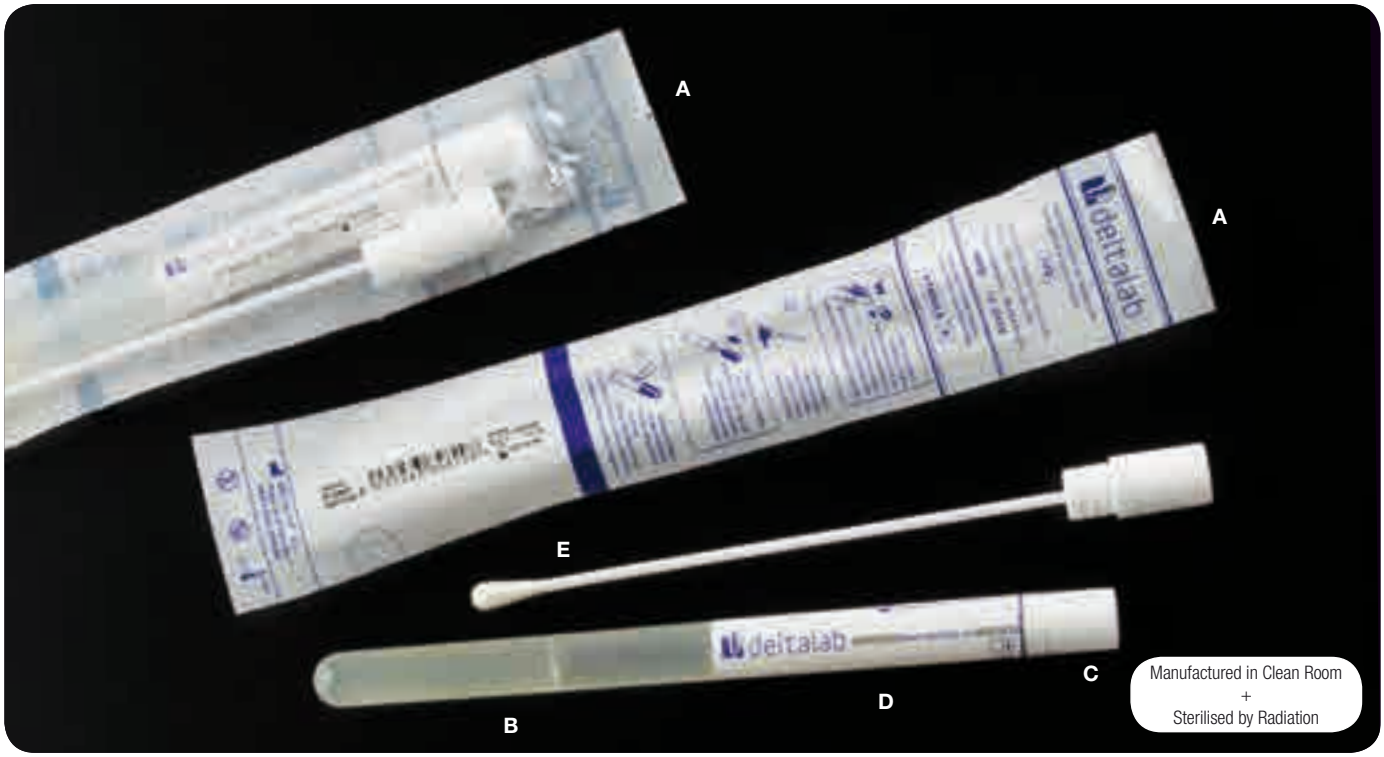
Human DNAsa, RNAsa and DNA free certified swabs, steriles

Human DNA free Certified. **Sterilised by ethylene oxyde**.
The swab is supplied in a polypropylene tube, which protects the sample up to the laboratory prior to its analysis. The stick of the swab is made of polystyrene while the head is produced with viscose or polyester according to the code. The tube is labeled indicating code, description, lot, expiry date and providing an identifying area to note down collection details (site, date, etc.). Moreover, the label seals the tube with the cap of the swab, acting like a tamper evident system.

code	description	selling unit	case quantity	case weight	case volume
300252DNA	polystyrene + viscose	500	4 x 500	14.20	0.070
300263DNA	polystyrene + polyester	500	4 x 500	14.20	0.070

Expiry date: 48 months from sterilisation date

Transport swabs with media



Safety
- Paper less, plastic peel-pack is an extraordinary safe system to maintain pack integrity and sterility

Comfort
- Space saving
- Collapsible internal case
- Easy wharehouse identification
- Selling unit easy to commercialize
- New standardised pack quantity for all our swabs
- The peel-pack has a small slit at the top to allow easy opening

Information
- Full range of transport medias listed on the package
- Clear dual CE Marking IVD + MDD printed in both, peel-pack and case
- User's guide provided in both, peel-pack and case

Design
- Attractive peel-pack and friendly users guide
- Eye-catching case designed exclusively for swabs
- Drawings of a swab and a tube on both the peel-pack and the case for first sight identificacion

Traceability
- Each single peel-pack is printed with the catalogue number, bar code, lot mumber, expiry date and product description
- Both external and internal cases are also identified with catalogue number, bar code, lot number, expiry date and product description

Environmentally friendly
- Peel pack made of one material only: easy recycling!

CE Swabs

As the two main components of a transport swab have different purposes and different ways of interaction with the patient, both have different CE treatment:

1. **Swab**: for microbiological sample collection. As a surgical invasive product of temporary use, is classified as CLASS IIa product in compliance with Guideline 93/42/EEC (Directive of Sanitary Products) amended by Directive 2007/47/EC.
2. **Tube with transport media**: container facilitator of survival and transport of biological samples prior to analysis. Classified as in vitro diagnostic IVD (according to Directive 98/79/EC).

Transport media

The media used to transport the sample, has the appropriate chemical composition that maintains the bioburden levels with the minimum physiological activity, achieving thus the minimal quantitative and qualitative variation of the sample from the collection to its analysis.

Components:

Each set consists in a tube and a swab, packed in a peel-pack bag (A) and sterilised by radiation.

(B) **Tube with transport media:** Made of rigid polypropylene with round bottom.
(C) Polyethylene **cap** specially designed to close hermetically; non slippery surface when using gloves.
(D) Coloured **label** in each tube with the following parameters printed: transport media type, sterilisation method, manufacturer name, CE mark, "single use" and "see the instructions" marks, lot number and expiry date, as well as spaces to write patient name, date, time, medical report number, source and kind of sample. The label seals the cap and the tube.
(E) **Swab** fitted in a second cap with a shaft which ends in a tip of synthetic or organic material hardly adhered to the shaft. The cap provides a leakproof seal after sample collection.

Both the peel-pack package and the label of the tube are printed with the following information: transport media type, sterilization method, manufacturer name, CE mark, "single use" and "see the instructions" marks, lot number, and expiry date. Peel pack also includes bar code.

www.laboquimia.es



Amies. Sterile

AMIES media is a modification of Cary Blair media, which is at the same time a modification of Stuart media. Basically the glycerophosphate is replaced by an inorganic phosphate, and the methylene blue by pharmacological charcoal. Calcium and magnesium are also added, thus maintaining the permeability of the bacterial cell. This media assures the viability of organisms such as:

- Neisseria sp.
- Haemophilus sp.
- Corynebacterium sp.
- Trichomonas vaginalis
- Streptococcus pyogenes
- Streptococcus pneumoniae
- Shigella flexneri
- Salmonella typhi
- Brucella abortus
- Enterobacterias, etc.

The presence of charcoal on the media neutralises inhibitors and bacterial toxins, and improves the recovery ratio of Neisseria gonorrhoeae and Vibrio cholerae

Some microorganisms can resist on the media for up to 3 days, although the recovery of microorganisms is better if cultured in the first 24 hours. Amies transport swabs are available with or without charcoal.

Swabs are sterilised by radiation.

Peel-pack dimensions: 38 x 210 mm. Expiry date: 30 months after sterilisation date.

code	description	case quantity	case weight	case volume
300287	snappable polystyrene + viscose	6 x 100	9.33	0.060
300285	snappable polystyrene + viscose (with charcoal)	6 x 100	9.37	0.058
300281	aluminum + viscose	6 x 100	9.08	0.056
300281/1	aluminum + viscose (with charcoal)	6 x 100	9.15	0.052
300281T	twisted aluminum + viscose	6 x 90	8.24	0.057

Cases per pallet: 32.



Liquid Amies. Sterile

This is a variation of the traditional Amies media swab where the media is presented on liquid form without agar.
Suitable for conservation of pathogens such as:

- Haemophilus sp.
- Corynebacterium sp.
- Trichomonas vaginalis
- Streptococcus pyogenes
- Streptococcus pneumoniae
- Shigella flexneri
- Salmonella typhi
- Brucella abortus
- Staphylococcus epidermidis
- Escherichia coli, etc.

Media is supplied in its liquid form, in a sponge, suitable for direct extensions on slides.

Swabs are sterilised by radiation.

Peel-pack dimensions: 38 x 210 mm.
Expiry date: 30 months after sterilisation date.

code	description	case quantity	case weight	case volume
300284	snappable polystyrene + viscose	6 x 100	7.60	0.055

Cases per pallet: 32.



Stuart swabs. Sterile

The modified Stuart media allows the conservation and transportation of a large number of pathological microorganisms, such as:

- Neisseria gonorrhoeae
- Haemophilus influenzae
- Neisseria meningiditis
- Bordetella pertusis
- Corynebacterium diphteriae
- Trichomonas vaginalis
- Staphylococcus aureus
- Streptococcus sp.
- Salmonella sp.
- Shigella sp.
- etc.

The most unstable organisms will remain viable for up to 24 hours and other for several days. The media is reduced due to the presence of thioglycolate, which difficults the enzymatic reactions of the bacteria.
The multiplication of the bacteria is prevented due to the lack of nitrogen in the media.
Swabs are **sterilised by radiation.**
Dimensions of the peel-pack: 38 x 210 mm.
Expiry date: 30 months from sterilisation date.

code	description	case quantity	case weight	case volume
300290	wood + cotton	6 x 100	9.40	0.057
300291	aluminium + cotton	6 x 100	9.10	0.057
300295	snappable polystyrene + viscose	6 x 100	8.65	0.060

Cases per pallet: 32.



Cary Blair. Sterile

Cary Blair is another modification of Stuart media.
The glycerophosphate has been substituted by inorganic phosphate since glycerophosphate is a metabolite for some bacteria, so they could grow and disgrise the pathogens amount.
The methylene blue has also been removed and the pH increased to 8.4.
This is a media originally developed for faecal samples but is also used successfully for anaerobic transport, such as:

- Neisseria gonorrhoeae
- Vibrio cholerae
- Vibrio parahaemolyticus
- Haemophilus influenzae
- Neisseria meningiditis
- Bordetella pertusis
- Streptococcus pneumoniae
- Shigella flexneri
- Pasteurella pestis
- Campylobacter Spp., etc.

Swabs are **sterilised by radiation.**
Dimensions of the peel-pack: 38 x 210 mm.
Expiry date: 30 months from sterilisation date.

code	description	case quantity	case weight	case volume
300280	wood + cotton	6 x 100	8.50	0.052
300280.2	snappable polystyrene + viscose	6 x 100	8.50	0.056

Cases per pallet: 32.

www.laboquimia.es

deltalab



Media for virus. Sterile

This viral transport media preserves the specimen during transportation to the laboratory.
Suitable, among many others:

- Papiloma
- Pseudorrabia
- Influenza aviar (H7N1)
- Influenza A (H1N1) o H1N1/09 pandemic
- Suid herpesvirus, etc.

The media maintains the sample viable for up to 72 hours and in some cases for longer time.
The addition of antimicrobial substances inhibit the growth of bacteria and fungi.
Ideal for nasal, pharyngeal, ocular, skin and mucus samples.
Media is supplied in its liquid form, in a sponge, suitable for direct extensions on slides.
Swabs are **sterilized by radiaton.**
Expiry date: 18 months from sterilisation date.

code	description	case quantity	case weight	case volume
300297	snappable polystyrene + polyester	6 x 100	7.75	0.057
300294	aluminium + polyster	6 x 100	7.80	0.056

Minimum order quantity: 100 units.
Cases per pallet: 32.



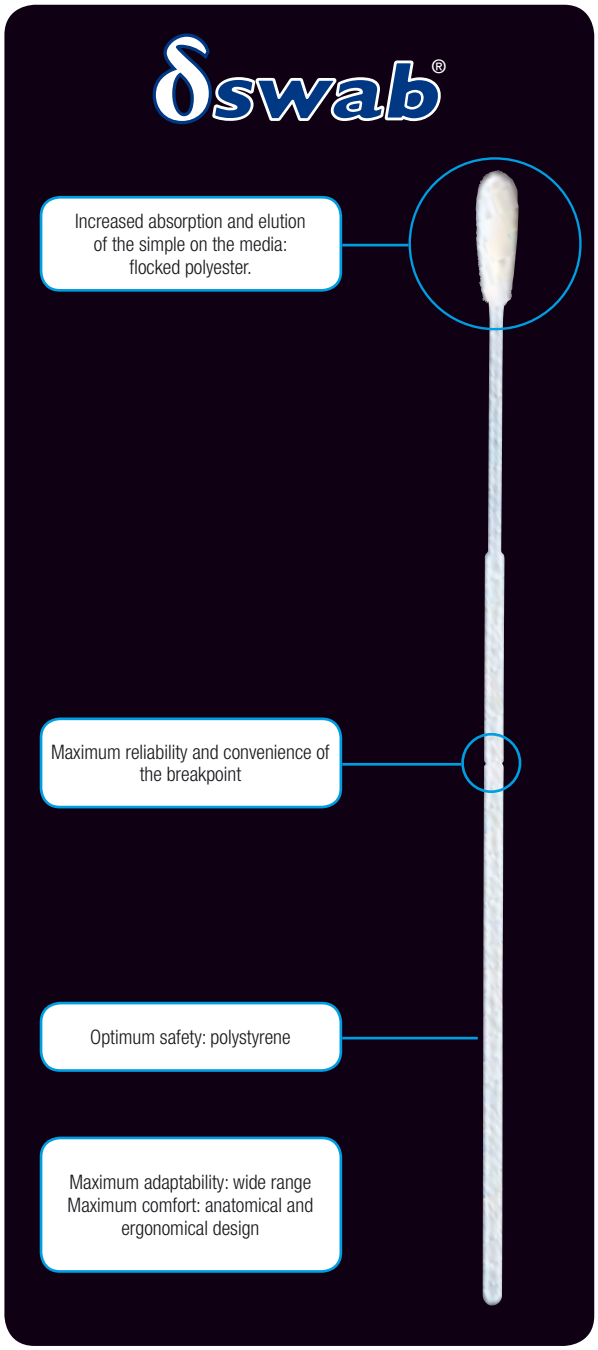
Media for Chlamydia. Sterile

Liquid media, suitable for Chlamydia.
For cervical samples it is recommended to firstly use a dry swab to clear the cervical channel.
Media is supplied in its liquid form, in a sponge, suitable for direct extensions on slides. **Sterilised by radiaton**.
Expiry date: 12 months from sterilisation.

code	description	case quantity	case weight	case volume
300299	snappable polystyrene + polyester	6 x 100	7.80	0.056

Minimum order quantity: 100 units.
Cases per pallet: 32.





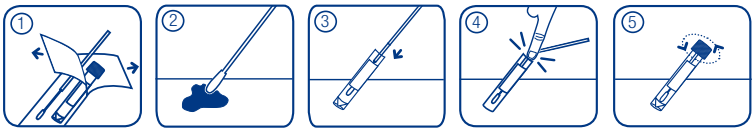
Flocked swab with media

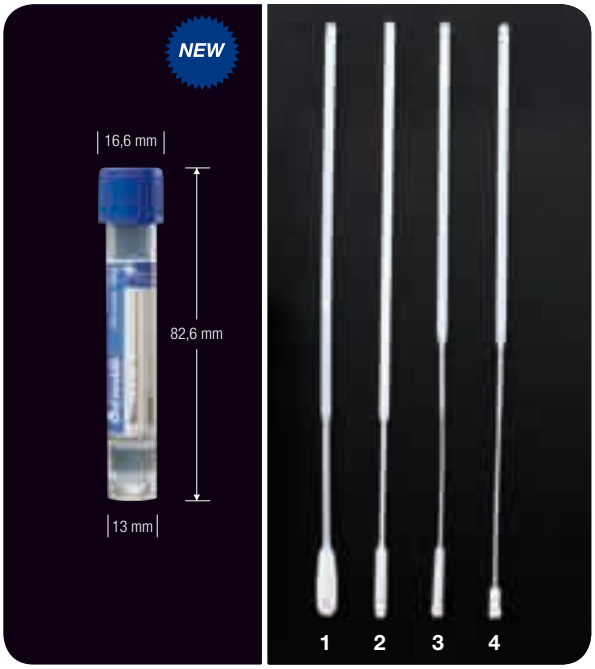
Deltalab presents a new range of kits for collecting and transporting microbiological samples in liquid medium as well as a new line of enrichment media, endeavouring to make microbiology departments and analysis laboratories' jobs easier.

Advantages:

- Compatible with the new inoculation automation and sample streaking equipment.
- Compatible with molecular diagnostic techniques.
- Facilitates the collection, transport and subsequent treatment of microbiological samples.
- Greater reliability for sample recovery: high capacity for the absorption and elution of the sample from the polyester flocked swab, developed by Puritan Medical.
- Greater feasibility of the sample as it is totally suspended in the medium.
- Allows different homogeneous innocula to be obtained from the same sample.
- It adapts to any working protocol.
- Minimises any possible cross-contamination: less handling and maximum watertightness.
- More comfort for the user: conical base which facilitates stirring and greater stability of the tube with skirt base.
- More comfort for the patient, due to the softer swab covering.
- Standardises the receipt of samples at the microbiology labs.
- Facilitates manual streaking.
- Allows direct extension on the glass slide as the medium does not contain agar.
- Ensures proper sample transport and storage both at room temperatures (20ºC - 25ºC) and at refrigeration temperatures (4ºC - 8ºC).

Puritan PurFlock ULTRA





Amies

Particularly suited for microbiological sample collection and transport. It maintains the viability of Aerobes, Facultative Anaerobes and Anaerobes Bacteria for a minimum of 48 hours both at room temperature (20-25ºC) and at refrigeration temperature (2-8ºC) and 24 hours with Fastidious Bacteria, following CLSI, M40-A2* standard methodology.
Designed both for traditional and automated sample streaking. Compatible with the molecular diagnostic techniques and for direct extension on glass slides.
Sterilised by radiation.
Peel-pack package.

mod.	code	ml	description	label colour	breakpoint mm	case quantity	case weight	case volume
1	**304281***	1	with standard flocked swab		80	6 x 100	5.7	0.056
2	**304282***	1	with urethral flocked swab		80	6 x 100	5.6	0.056
3	**304285***	1	with nasopharyngeal flocked swab		100	6 x 100	5.6	0.056
4	**304286***	1	with minitip flocked swab		100	6 x 100	5.5	0.056

* M40-A2: CLSI Quality Control of Microbiology Transport System: Approved Standard - Second Edition
Shelf life: 30 months
*Code not available for sale in Italy.

CE IVD CE MDD

www.laboquimia.es

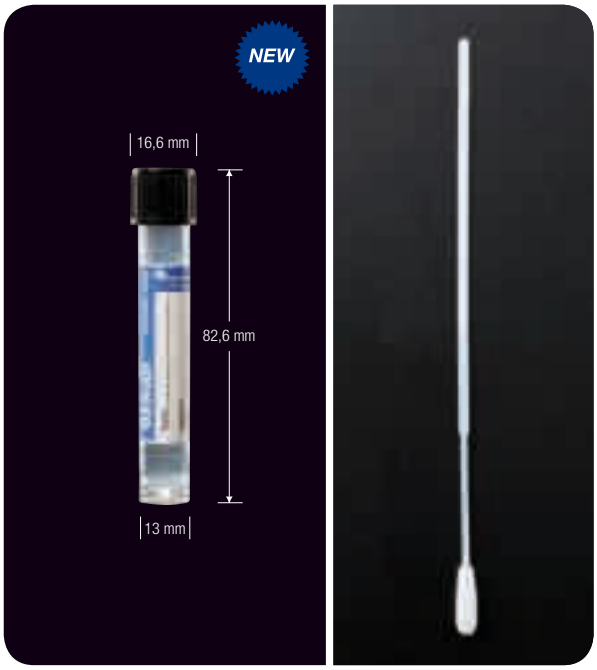
deltalab

Cary Blair

Specially suited for the collection and transport of faecal samples. Maintains the viability of the fecal pathogens for a minimum of 48 hours without overgrowth, following CLSI, M40-A2* standard methodology. Designed for carrying out sample collection directly from the rectum or from faeces.
Designed for traditional and automated sample streaking. Compatible with the molecular diagnostic techniques by PCR and for direct extension on glass slides.
Peel-pack package. **Sterilised by radiation.**

code	ml	description	label colour	breakpoint mm	case quantity	case weight	case volume
304280*	2	with standard flocked swab		80	6 x 100	6.3	0.056

* M40-A2: CLSI Quality Control of Microbiology Transport System: Approved Standard - Second Edition.
Shelf life: 30 months
*Code not available for sale in Italy.



ViCUM®

Particularly suited for collecting and transporting microbiological samples which contain Virus, Chlamydia, Ureaplasma and/or Mycoplasma. Includes antibiotics which inhibit the growth of Bacteria and Fungi; this ensures reliability in terms of sample recovery. Maintains the infectability of viruses for a minimum of 96 hours both at room temperature (20-25ºC) and at refrigeration temperature (2-8ºC), following CLSI, M40-A2* standard methodology.
Each tube contains glass beads to facilitate cell lysis, sample homogeneousness and maximize the elution of the sample from the swab. Designed for cell cultivation and compatible with molecular diagnostic techniques by quantitative PCR. Peel-pack package.
Swab sterilised by radiation.

mod.	code	ml	description	label colour	breakpoint mm	case quantity	case weight	case volume
B 1	**304271***	1	with standard flocked swab		80	6 x 60	4.7	0.056
B 1	**304278***	2	with standard flocked swab		80	6 x 60	5.1	0.056
B 2	**304276***	2	with urethral flocked swab		80	6 x 60	5.0	0.056
B 3	**304270***	2	with nasopharyngeal flocked swab		100	6 x 60	5.0	0.056
B 4	**304279***	2	with minitip flocked swab		100	6 x 60	5.0	0.056
A 1	**304273***	3	with standard flocked swab		100	6 x 40	4.8	0.056

* M40-A2: CLSI Quality Control of Microbiology Transport System: Approved Standard - Second Edition.
Shelf life: 30 months
*Code not available for sale in Italy.



Virus

Particularly suited for collecting and transporting microbiological samples which contain viruses. By including antibiotics which inhibit the growth of Bacteria and Fungi, it ensures the trustworthiness of the sample. It maintains the infectability of viruses for up to 96 hours, both at room temperature (20-25ºC) and at refrigeration temperature (4-8ºC), following CLSI, M40-A2* standard methodology.
Designed for cell cultivation and to be compatible with the molecular diagnostic techniques by quantitative PCR. Peel-pack package. **Sterilised by radiation.**

mod.	code	ml	description	label colour	breakpoint mm	case quantity	case weight	case volume
B 1	**304291***	1	with standard flocked swab		80	6 x 100	5.7	0.056
B 3	**304297***	1	with nasopharynge flocked swab		100	6 x 100	5.5	0.056
A 3	**304295***	3	with nasopharynge flocked swab		100	6 x 80	7.0	0.056

* M40-A2: CLSI Quality Control of Microbiology Transport System: Approved Standard - Second Edition.
Shelf life: 30 months
*Code not available for sale in Italy.





Selenite

Enrichment medium that inhibits the proliferation of bacterial microbiote.
It is particularly suited for isolating *Salmonella* from faecal samples, food and/or water. It is used as an enrichment medium for clinical and industrial samples.
Easy and practical.
Compatible with manual and automated systems of microbiological culture and suitable for molecular assays.

code	description	tube height mm	cap Ø mm	case quantity	case weight	case volume
304210	2 ml Selenite	82.6	16.6	6 x 60	2.84	0.025

Shelf life: 24 meses



Thioglycolat

Widely used enrichment media for isolation and cultivation of Aerobic and Anaerobic Bacteria and Fastidius Bacteria.
It is used as an enrichment media for clinical samples.
Easy and practical. Compatible with manual and automated systems of microbiological culture and suitable for molecular assays.

code	description	tube height mm	cap Ø mm	case quantity	case weight	case volume
304211	2 ml Thioglycolat	82,6	16,6	6 x 60	2,84	0,025

Shelf life: 24 meses



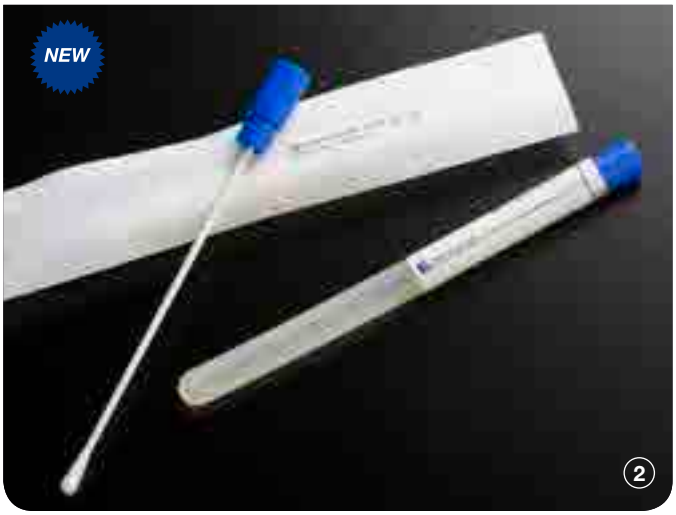
LIM Broth

Selective enrichment medium for Group B Streptococcus, including S. agalactiae.
The kit consists of a tube with conical bottom, skirted and screw cap, containing 2 ml LIM broth, and a standard flocked swab.
Packed in peel pack (plastic + medical paper) with the basic information and instructions printed.
Swab sterilised by radiation.

code	description	tube height mm	cap Ø mm	case quantity	case weight	case volume
304212*	2 ml LIM	82.6	16.6	6 x 60	4.00	0.056

Shelf life: 12 meses
*Code not available for sale in Italy.







Suface Kit

The new surface kits are supplied with a swab and a tube containing a buffered broth with neutralising agents.
Kits are intended for surface sampling for subsequent microbiological analysis.
The kit is a single use product and is **sterilised by radiation**.
The swab is composed of a polystyrene support with a breakpoint (only reference **200398**) and a viscose tip.
The tube incorporates a pressure or screwed cap.
The kit is intended to be used by skilled personnel, properly trained un surface sampling.
The kit is presented individually wrapped in a peel-pack format.
The kit is complemented with the sampling template (**200396P**).
It has a hole of 4x5 cm to perform the sampling, is **sterile** and its supplied in a flow-pack.

mod.	code	description	esterile	case quantity	case weight	case volume
1	**200398**	10 ml neutralising broth in skirted tube + viscose swab	STERILE R	6x80	10.30	0.0560
2	**200399**	5 ml neutralising broth in non skirted tube + viscose swab	STERILE R	6x100	10.26	0.0560
3	**200396P**	Surface sampling template 4x5 cm	STERILE R	20	0.75	0,0015



Meat sampling kit

Designed according to the international standard **ISO 17604**, which is taken as reference on European Directives and Rules about microbiology of food and animal feeding stuff – carcass sampling for microbiological analysis.
The kit includes:
- A bottle containing 25ml of sterile buffered peptone water
- A disposable sterile template, supplied in a flow pack bag
- A sponge

code	packaging	esterile	case quantity	case weight	case volume
200393.V	carcass sampling kit with sponge	STERILE R	20	3.00	0.025
200393P	template meat sampling	STERILE R	20	0.75	0.0051





90 x 14 mm Petri Dish

Made in polystyrene. Supplied in groups of 20 units, packaged in heat sealed bags.
Code **200200** is **aseptic.** Code **200209** is **sterile by radiation.**
Suitable for automatic filling machines.

code	description	sterile	case quantity	case weight	case volume	cases per pallet
With three vents						
200200	Ø 90 x 14 mm	no	25 x 20	7.32	0.071	28
200209	Ø 90 x 14 mm	STERILE R	25 x 20	7.39	0.071	28
Not vented dishes, for the cultivation of anaerobic						
200200.4	Ø 90 x 14 mm	no	25 x 20	6.90	0.071	28



90 x 14 mm Petri Dish, two compartments

Made in polystyrene. **Aseptic.**
With three vents.
Supplied in groups of 20 units, packaged in heat sealed bags.
Suitable for automatic filling machines.

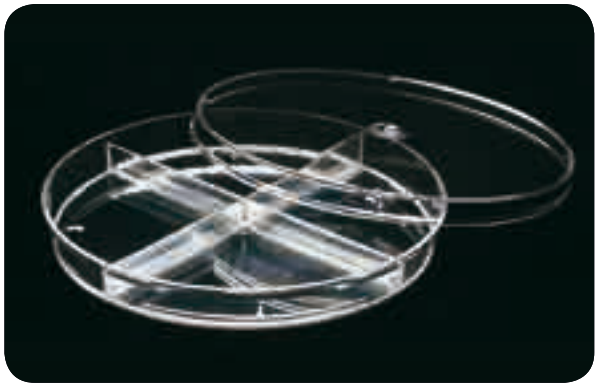
code	description	case quantity	case weight	case volume	cases per pallet
200202	Ø 90 x 14 mm 2 compartments	25 x 20	7.75	0.072	28



90 x 14 mm Petri Dish, three compartments

Made in polystyrene. **Aseptic.**
With three vents.
Supplied in groups of 20 units, packaged in heat sealed bags.
Suitable for automatic filling machines.

code	description	case quantity	case weight	case volume	cases per pallet
200203	Ø 90 x 14 mm 3 compartments	25 x 20	7.82	0.070	28



90 x 15 mm Petri Dish, four compartments

Made in polystyrene. **Aseptic.**
Vented.
Supplied in groups of 24 units, packaged in heat sealed bags.
Suitable for automatic filling machines.

code	description	case quantity	case weight	case volume	cases per pallet
200210	Ø 90 x 15 mm 4 compartments	24 x 25	9.20	0.077	28



90 x 25 mm Petri Dish, four compartments

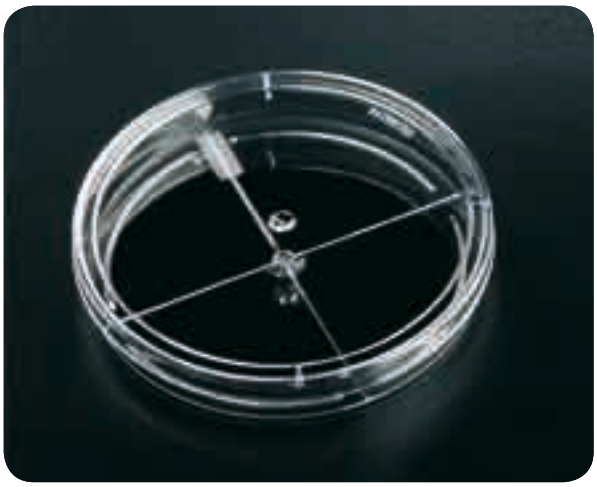
Made in polystyrene. **Aseptic.**
Vented.
Supplied in groups of 24 units, packaged in heat sealed bags.
Suitable for automatic filling machines.

code	description	case quantity	case weight	case volume	cases per pallet
200215	Ø 90 x 25 mm 4 compartments	24 x 13	8.63	0.076	24

Petri Dish 90 x 15 mm with internal cross

Made in polystyrene. **Aseptic.**
With four vents. Stackable.
With a mark on a side that helps orientation and a writing area on the bottom.
Supplied in groups of 25 units, packaged in heat sealed bags.
Suitable for automatic filling machines.
Internal cross guarantees the totally flat base.

code	description	case quantity	case weight	case volume	cases per pallet
200200.5	Ø 90 x 15 mm internal cross	24 x 25	7.50	0.076	20



140 x 20 mm Petri Dish

Made in polystyrene. With three vents.
Supplied in groups of 10 units, packaged in heat sealed bags.
Suitable for automatic filling machines.
Code **200214** is **aseptic.**
Code **200219** is **sterile by radiation.**

code	description	sterile	case quantity	case weight	case volume	cases per pallet
200214	Ø 140 x 20 mm	no	11 x 15	7.40	0.074	30
200219	Ø 140 x 20 mm	STERILE R	11 x 15	7.25	0.072	30



120 x 120 mm squared Petri Dish

Made in polystyrene. **Aseptic.**
With four vents.
Supplied in groups of 10 units, packaged in heat sealed bags.
Suitable for automatic filling machines.

code	description	case quantity	case weight	case volume	cases per pallet
200204	120 x 120 mm	24 x 10	11.18	0.072	28



55 x 14 mm Petri Dish

Made in polystyrene. With four vents.
Supplied in groups of 15 units, packaged in heat sealed bags.
Suitable for automatic filling machines.
Code **200201** is **aseptic**.
Code **200201.B** is **sterile by radiation.**

code	description	sterile	case quantity	case weight	case volume	cases per pallet
200201	Ø 55 x 14 mm	no	80 x 15	8.40	0.068	30
200201.B	Ø 55 x 14 mm	STERILE R	80 x 15	8.40	0.068	30







Ø 100 mm Petri dish baskets

These stainless steel baskets are suitable for dishes of diameter up to 10 cm.
Two models available to hold 16 or 32 Petri dishes.

code	description	dimensions* mm (height without handle)	case quantity	case weight	case volume
H-600	1 section, holds up to 10 dishes	105x110x250	1	0.16	0.005
H-601	2 sections, holds up to 20 dishes	105x215x250	1	0.31	0.010

*Lenght x width x height.
Heigh with handle: 360 mm.
We can supply customer-designed models.

Jar for anaerobes incubation

Incubation system for petri dishes in practical and simple anaeobiosis.
Jar designed for use with any of anaerobiosis that generate special atmospheres.
Up to 14 90mm diameter petri plates.
Metal cap fixed by locking pressure system. Stainless steel rack.
Viton® O-ring.
Compatible with all the usual reagents in microbiology.

code	dimensions* (mm)	case quantity	case weight	case volume
H-625	119,4x285	1	1,17	0,0072

*Diameter x height.

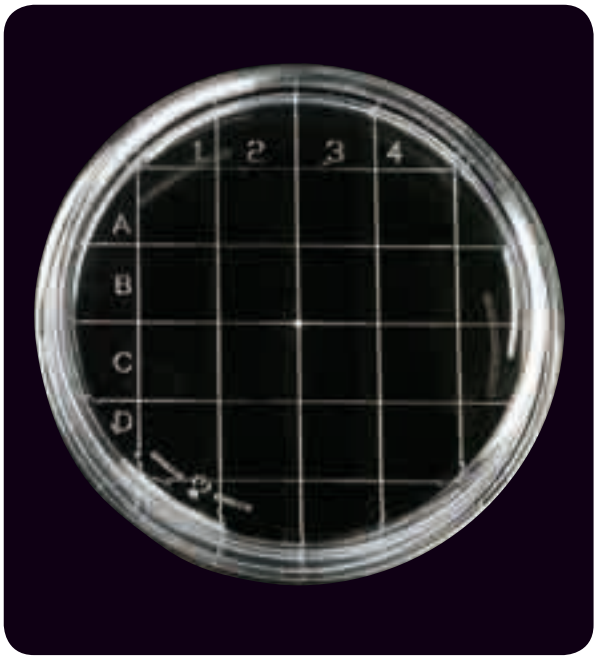
Contact plates

Aseptic production.
Used in the pharmaceutical industry, hospital environments for determining bacterial contamination of surfaces such as the skin, operating tables, refrigerated gondolas, and work surfaces.
They are manufactured in transparent polystyrene.
The moulded grid at the bottom makes it possible to identify the detected contamination per cm^2 and it facilitates the counting of colonies.
Stable stacking: The shape of the lid makes stacking perfectly stable during transport and incubation, and saves space on work surfaces.
Dimensions of the dish: 65,7 mm x 14,7 mm height.

code	description	sterile	case quantity	case weight	case volume	cases per pallet
200208	Rodac contact plate	no	25 x 20	5.00	0.031	70
200218	Rodac contact plate	STERILE R	25 x 20	4.90	0.030	70







Moulded contact plate rack

Useful for safe transport and incubation of Rodac contact plates and helpful to streamline bench top sample processing. Each rack holds up to 60 contact plates with lids (minimum diameter: 65 mm, maximum diameter: 72 mm) configured in six columns of ten plates. Up to 4 racks can be stacked together, and all interlock to prevent accidental knock over. Access slots under each stack of contact plates allows a stack of plates to be safely removed from the rack using a secure ring that places a finger under the bottom plate and thumb on top of the lid if the top plate.
A large centre divider provides space for labelling and incorporates a handle.
All parts are moulded with white polypropylene and are steam **autoclavable at 121 ºC.**
Racks are supplied individually bagged, flat, and can be easily assembled (instructions included).

code	dimensions* mm	case quantity	case weight	case volume
H-610	266 x 165 x 178	1	0.39	0.002

*Lenght x width x height.



Moulded 90 or 100 mm Petri dish rack

Useful for safe transport and incubation 90 or 100 mm Petri dishes and helpful to streamline bench top sample processing.
Each rack holds up to forty-two Petri dishes with lids, configured in six columns of seven plates. Up to 4 racks can be stacked together, and all interlock to prevent accidental knock over. Access slots under the bottom Petri dishes allows a stack of dishes to be safely removed from the rack using a secure ring that places a finger under the bottom dish and thumb on top of the lid if the top dish.
A large centre divider provides space for labelling and incorporates a handle.
All parts are moulded with white polypropylene and are steam **autoclavable at 121 ºC.**
Racks are supplied individually bagged, flat, and can be easily assembled (instructions included).

code	dimensions* mm	case quantity	case weight	case volume
H-611	330 x 210 x 178	1	0.40	0.005

*Lenght x width x height.



See **chapter 4. Histology, microscopy and staining**

See **chapter 5. Sampling and transport**



Stackable Petri dish incubation tray

This polypropylene tray increases overall capacity of incubator.
Designed to hold five 100 mm diameter or fifteen 60 mm diameter Petri dishes, it's provided with two large label areas for critical sample identification by marker or label.
With 16 vents.
Not autoclavable.

code	dimensions mm	bag quantity	bag weight	bag volume
H-615	251 x 237 x 35	3	0.82	0.011





Microtitre plates, sterile

Standard 96 well-plate made of crystal-clear polystyrene.
Three models with different well shapes are available.
In general terms, flat bottom plates are used when optical reading is required (for example, using a spectrophotometer); rounded and conical bottom plates are very useful when total recovery of the sample is required; they also offer better performance than flat bottom plates for sample separation through centrifugation.

Some applications:
- Diluting
- Serial sample preparation
- Protein precipitation
- Hemagglutination
- Conical bottom plates may be used for complement fixation
- Flat bottom plates are also suitable for cell growth in suspension, and for ELISA applications, when there is no need of a pre-treated plate (which enhances the antigen-antibody adhesion to the surface of the plate)



Polystyrene lids are supplied separately, see code **900015**.
Those plates can also be covered using the sealing mat or the adhesive sealing film presented on page 62.
Available sterile or non sterile, both supplied individually wrapped.

Plate dimensions: 127.7 x 85.8 mm.
Well plate estimate volume:
900010: 0.281 µl.
900011: 0.404 µl.
900012: 0.219 µl.

code	description	sterile	case quantity	case weight	case volume
900010	microtitre plate "U" form	STERILE R	50	2.15	0.013
900010.1	microtitre plate "U" form	non	50	2.15	0.013
900011	microtitre plate "⊔" form	STERILE R	50	2.15	0.013
900011.1	microtitre plate "⊔" form	non	50	2.15	0.013
900012	microtitre plate "V" form	STERILE R	50	2.15	0.013
900012.1	microtitre plate "V" form	non	50	2.15	0.013
900015	lid for microtitre plate	STERILE R	50	1.16	0.013
900015.1	lid for microtitre plate	non	50	1.16	0.013



CRYOINSTANT: Porous beads for microbiological culture preservation

CryoInstant is an excellent preservation system for storing microbiological culture (for example fungus on sporulation phase), consisting on **2 ml cryovials** containing 25 porous beads and cryopreservative-added broth.
With these vials we can:

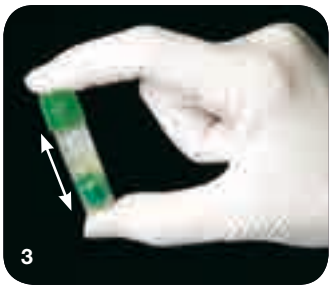
- Get a **perfect freezing storage system**.
- Obtain up to **25 replicates** from the original microorganism, to use them during many years
- **Ease** the **recovery** of the **stored strain** streaking an inoculated bead directly onto solid media
- **Prevent changes** and **repetitive thawing / freezing** of the rest of beads
- **Avoid** the **growth** of **ice** when recovering,
- **Improve recovery rates** of frozen cultures by adding cryopreservative to broth
- **Minimise** the **risk of cross contamination,**
- **Save space** in the freezers when storing.

The external thread cryovials are made of polypropilene (page 145). Their smooth inner surface prevents from contamination. Their caps embody a silicone washer to ensure a positive leakproof seal. Tubes and caps withstand up to **–190 ºC**.
In order to ease the classification of the samples, we offer the possibility to get cryovials with caps and beads in five different colours: every code displays caps and beads from a single and same colour (excepting code **409113/6**, which is an assortment), allowing a fast and easy identification of the samples, and providing a system whereby users are able to code different bacterial species, different samples, different laboratories, etc. And even more: with colour coded inserts (described on page 144) a further classification can be made.
Cryovials are presented in carton boxes (resistant to **–100 ºC**; dimensions: 150x150x55 mm) with 100 units; boxes are furtherly described in page 202. Each box is supplied plastic-wrapped and labelled with code reference, batch, expiration date and specifying the colour of the caps and beads. Shelf life: 48 month. **Autoclave sterile.**

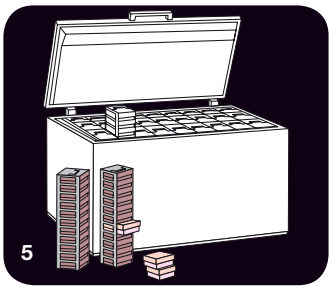
code	beads and cap colour	case quantity	case weight	case volume
409113/1	white	100	0.59	0.002
409113/2	blue	100	0.59	0.002
409113/3	yellow	100	0.59	0.002
409113/4	red	100	0.59	0.002
409113/5	green	100	0.59	0.002
409113/6	assorted: 5 colours x 20 cryovials	100	0.59	0.002











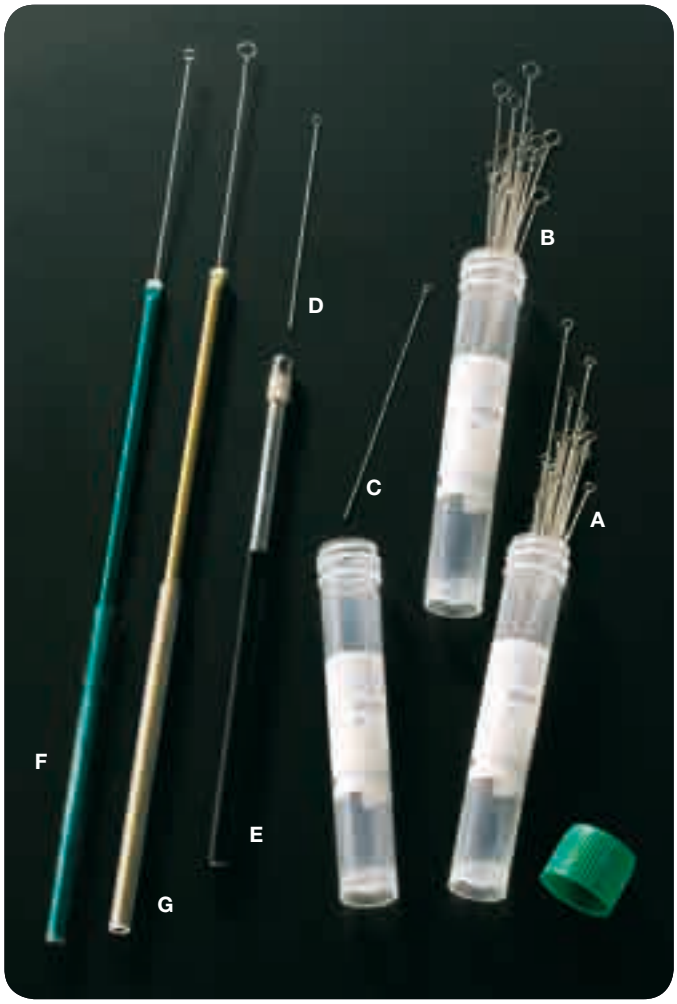




Way of use:

1. Take the sample from the strain with a loop (please see our loops on page 34 and 35)
2. Inoculate the cryovial by putting the loop in contact with the broth
3. Close the cryovial and shake it gently in order to permeate the strain into the beads
4. Extract the cryopreservative-added broth with a Pasteur pipette (see our plastic pipettes on pages 188-192)
5. Close the cryovial and take it to the freezer
6. Every time we need to reproduce the strain, we will take a bead with a loop or a forceps
7. We will put it down on a Petri dish with culture medium, attempting to put in contact all the surface of the bead with the medium





Digralsky spreader. Sterile

Designed for surface spreading. Made of white polystyrene.
Radiation sterilized.
Total length: 149 mm, base length: 40 mm.
Base length allows spreading liquid samples over any type of Petri dish and avoids contact with the dish walls.
The curved Spreader extremity and rounded corners avoid damaging media surface while spreading.
The tip bent and rounded edges minimize the possibility of breakage of the solid medium during extension.
It allows their use in places where sterilization before use is not possible (for instance when samples are collected far from the lab).
Available in peel-pack containing 1 or 5 units, marked with code, expiry date and lot.

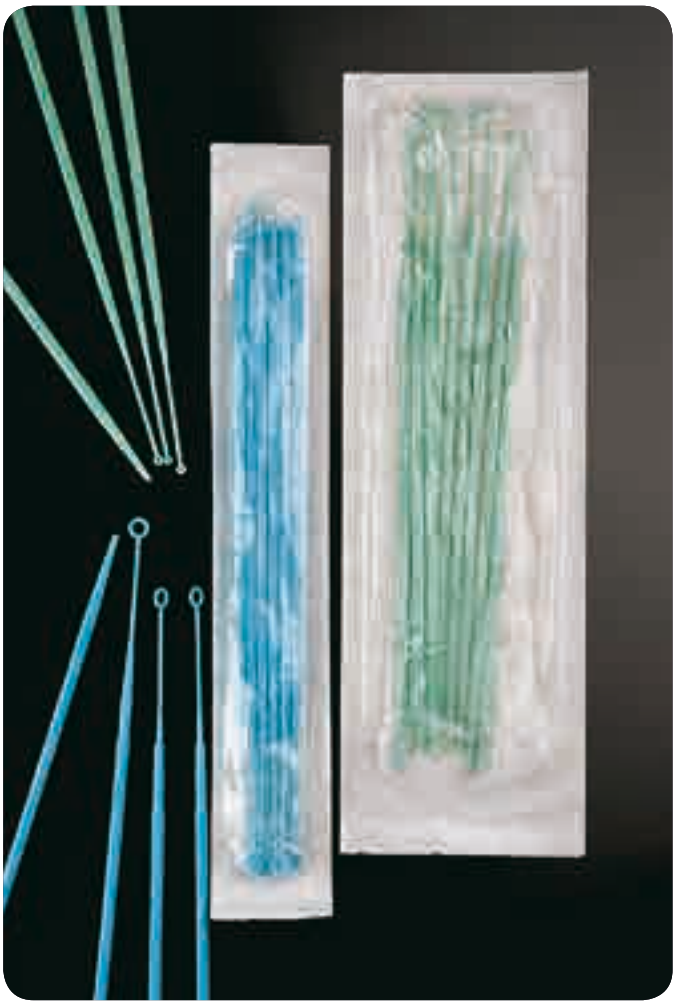
code	presentation	case quantity	case weight	case volume
200500	5 units peel-pack	200 x 5	3.00	0.025
200510	1 unit peel-pack	500	2.44	0.026



Nichrome wire loops

Nichrome wire loops for microbiology.
Comparing them to the traditional loops made of platinum and rhodium, the nickel and chrome alloy results much more competitive in terms of durability and price. Moreover, it offers a totally smooth surface, and rapid cooling after heat sterilisation.
Non-calibrated loops (mod. A and B):
Non-calibrated nichrome loops, without holder, saving money and storage space. Supplied in groups of 25 units, in one tube, specifying code, description, and lot.
Calibrated loops (mod. C and D):
Calibrated nichrome loops. Supplied individually in a capped tube, labeled with the code, description and lot.
Calibrated and non-calibrated loops are easily joinable to the PVC and aluminium holder **(mod. E)** with an easy and fast screw movement.
Dimensions of the aluminium holder 150 mm.
Non-calibrated loops with holder (mod. F and G):
Non-calibrated loop made of nichrome alloy.
Light aluminium holder (**mod. G**, golden colour, **mod. F**, green) partially protected by a transparent, insulating, non-skid plastic. Dimensions, 275 mm.

mod.	code	description	dimensions mm	quantity
A	**302762**	Non-calibrated loop 2 mm Ø	75	25
B	**302764**	Non-calibrated loop 4 mm Ø	75	25
C	**302771**	Calibrated loop 1 µl	150	1
D	**302772**	Calibrated loop 10 µl	150	1
E	**302780**	Loop holder, PVC and aluminium	150	1
F	**302792**	Non-calibrated loop (2 mm Ø) with holder	275	5
G	**302794**	Non-calibrated loop (4 mm Ø) with holder	275	5



Sterile calibrated loops

Manufactured in flexible polystyrene.
Sterilized by radiation.
Two sizes available: 1 µl and 10 µl.
Very flexible loop, with rounded tip.
Not recommended for colony counting.
Sterile inoculating loops.
Batch and expiry date printed on the bag.

code	µl	presentation	colour	case quantity	case weight	case volume
302703	1	10 ud./peel-pack	green	4 x 500	5.00	0.038
302723	1	20 ud./peel-pack	green	4 x 1,000	7.40	0.039
302704	10	10 ud./peel-pack	blue	4 x 500	4.91	0.038
302724	10	20 ud./peel-pack	blue	4 x 1,000	8.04	0.036



Sterile calibrated loops

NEW

Loops made of polystyrene, high robustness and adequate flexibility for comfortable and efficient use. **Sterilised by radiation.**
Double use loops: at one of the ends there is the loop for streaking in Petri dishes, using both qualitative and quantitative techniques. At the other end there is a fine tip specially designed for counting colonies.
Available in 2 volumes: 1 and 10 µl. The green and blue colors are used to easily differentiate the 2 volumes in the laboratory.
They offer great ergonomics and gripping thanks to its hexagonal design of its section which provide ease of orientation while using it.
There are 3 presentations: individual pack, 10 and 20 units. All of them are supplied in a plastic packaging with easy opening.
The loops are calibrated. **Deltalab** certifies the control of the dimensional accuracy of the diameter of the loop by means of specific gauge (Calibration certificate available under request).

code	µl	presentation	colour	case quantity	case weigth	case volume
302743	1	individual flow pack	green	2 x 600	1,90	0,029
302744	1	peelable flow pack 10 units	green	2 x 1.400	2,95	0,029
302745	1	peelable flow pack 20 units	green	2 x 2.500	4,31	0,029
302753	10	individual flow pack	blue	2 x 600	1,90	0,029
302754	10	peelable flow pack 10 units	blue	2 x 1.400	3,00	0,029
302755	10	peelable flow pack 20 units	blue	2 x 2.500	4,34	0,029





EUROTUBO® 12 ml screw cap tubes, round bottom

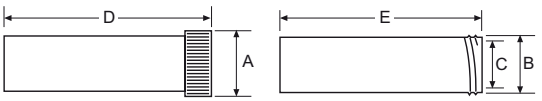
PP mod. 3, 4

Made of **autoclavable** (**121 ºC**) transparent polypropylene or polystyrene. Green cap made of high density polyethylene.
Dimensions: 15 x 102 mm. The external skirt allows the tubes to remain **free-standing.** Supplied screwed. Recommended volume: 12 ml. The sterile model (ethylene oxide) is supplied individually in flow-pack bag, with indication of batch, expiration date, etc.
According to the guidelines for sterile products. Resistance to centrifugation: **PS: 7,500 xg. PP: 15,000 xg.**
Attention: For autoclaving, the cap should be loose on the thread and not tightly fitted.

mod.	code		description	autoclavable	maximum volume ml	volume recommandé. ml	case quantity	case weight	case volume	cases pallet
1	**301403**		polystyrene		14.4	12	6 x 250	12.90	0.082	20
2	**301402**	STERILE EO	polystyrene individually wrapped		14.4	12	6 x 250	13.40	0.096	16
3	**401402**	STERILE EO	polypropylene individually wrapped	✓	14.2	12	6 x 250	12.03	0.096	16
4	**401403**		high transparency polypropylene	✓	14.2	12	6 x 250	11.11	0.082	20

Dimensions (±0,09):

code	external cap Ø mm A	external tube Ø mm B	internal tube Ø mm C	length with cap mm D	length without cap mm E
301402, 301403	20.9	16.3	14.4	103.9	102.5
401402, 401403	20.9	16.2	14.3	102.9	101.5





Sterile culture tubes in polystyrene

Tubes supplied with either a two position ribbed polyethylene cap, which can be left loose for aerobic work or sealed for anaerobic cultures.
They are biologically inert, exempt from mold release agents, and withstand up to **1,400 xg** and **70 ºC.**
Packaged in self-standing resealable zip-lock bags of 125 units.

code	dimensions mm	case quantity	case weight	case volume
300807	12 x 75	8 x 125	4.24	0.033
300808	17 x 100	8 x 125	7.14	0.060


Loose position for aerobic work


PosSealed position for anaerobic cultures

www.laboquimia.es



15 ml and 50 ml centrifugal tubes

Made of polypropylene, suitable for both clinical and research applications.
DNAsa, RNAsa and pyrogen free. They are also free from natural rubber and heavy metals.
High transparency of the material for a clear visualization during experiments specially for molecular biology and animal tissue culture.
Tube and cap designed with the system of flat threads for a complete leakproof.
Highly smooth hydrophobic surface for minimum disturbance during centrifugation.
Silk-screen blue graduation in the tube and large white frosted portion for easy writing.
Autoclavable at 121 ºC.
Centrifugation resistance: **14.000 xg**, except code **429931: 7.000 xg** and codes **429950, 429951: 3.500 xg**
It is recommended to use adapters to centrifuge and avoid malformations.
Available models: 15 ml non-skirted and 50 ml skirted and non-skirted.

code	description	presentation	sterile	case weight	case volume	cases per pallet
15 ml tubes						
429940	non-skirted tube	500 tubes in bulk	NO	500	4.50	0.0281
429945	non-skirted tube	20 bag to 25 tubes.	NO	500	4.50	0.0281
429942	non-skirted tube	20 bag to 25 tubes.	STERILE R	500	4.02	0.0300
50 ml tubes						
429930	non-skirted tube	20 bag to 25 tubes.	NO	500	7.70	0.0844
429931	non-skirted tube	20 bag to 25 tubes.	STERILE R	500	7.44	0.0820
429950	skirted tube	20 bag to 25 tubes.	NO	500	8.80	0.0844
429951	skirted tube	20 bag to 25 tubes.	STERILE R	500	8.38	0.0820



EUROTUBO® 15 ml conical tubes

Tubes made of transparent polypropylene, conical bottom, suitable for centrifugation tests in immunology, microbiology, etc.
Continuous thread, external moulded graduations in 0,5 ml increments.
Frosted area (55 x 10 mm).
Blue cap in polyethylene with hermetical closure thanks to its internal elastic obturation.
Code **429910** is autoclavable (**121ºC**) with the cap not being closed, just placed on the thread.
Autoclave not recommended for the codes **429920** and **429946**, as they have been **sterilised by radiation.**
Code **429920** is supplied sterile (100 units bags).
The bag specifies IVD, lot number, expiration date, etc.
Code **429946** is supplied sterile in individual bags. Resistance to centrifugation: **7,000 xg** (non sterile model) and **5,000 xg** (sterile models)**.**
It is recommended to use adapters to centrifuge and avoid malformations.
Length (with cap): 120 mm. External mouth diameter: 17 mm. External cap diameter: 20,9 mm.

code	description	autoclavable	case quantity	case weight	case volume	cases per pallet
429910	non sterile	✓	500	3.80	0.030	54
429920	**STERILE R**		5 x 100	3.90	0.029	54
429946	**STERILE R** individually bagged		500	3.96	0.040	40

Please find racks for these tubes in **Chapter 9. Sample Storage**

www.laboquimia.es



EUROTUBO® 50 ml conical tubes

Tubes made of transparent polypropylene, conical bottom, suitable for centrifugation tests in immunology, microbiology, etc.
Perfect to analyse Koch bacillus. Continuous thread, external moulded graduations in 5 ml increments.
Blue cap in high density polyethylene with hermetical closure thanks to its internal elastic obturation.
Skirted and non skirted versions, **sterilised by radiation** and non sterilised versions. Sterile codes are either supplied in individual bags (codes **429926**, **429927**), in bags of 100 units (codes **429926.10, 429927.10**), or in bags of 25 units (codes **429926.25**, **429927.25**) and resist up to **7,000 xg.**
Autoclave not recommended as they have been ionised.
Non sterile codes withstand up to **12,000 xg** and are autoclavable (**121 ºC**) with the cap loose on the thread and not tightly fitted.
Every version is supplied capped, excepting code **429900SP,** which is supplied uncapped, with the cap in a separated bag.
You need to use the proper adapters to the tube of the code **429926** during the centrifucación to avoid malformations.

code		description	external cap Ø mm	internal tube Ø mm	external tube Ø mm	length with cap mm	case quantity	case weight	case volume	cases per pallet
429900		non skirted	34.4	27.2	29.5	117.5	500	7.80	0.072	20
429900SP		non skirted, unscrewed cap	34.4	27.2	29.5	117.5	500	7.90	0.082	20
429901		skirted	34.4	27.2	29.5	117.5	500	8.50	0.082	20
429926	STERILE R	non skirted, individually wrapped	34.4	27.2	29.5	117.5	500	8.00	0.080	20
429926.25	STERILE R	non skirted, bag 25 units	34.4	27.2	29.5	117.5	20x25	8.30	0.082	20
429926.10	STERILE R	non skirted, bag 100 units	34.4	27.2	29.5	117.5	5x100	7.90	0.082	20
429927	STERILE R	skirted, individually wrapped	34.4	27.2	29.5	117.5	500	8.80	0.082	20
429927.25	STERILE R	skirted, bag 25 units	34.4	27.2	29.5	117.5	20x25	8.80	0.082	20
429927.10	STERILE R	skirted, bag 100 units	34.4	27.2	29.5	117.5	5x100	8.50	0.082	20



Please find racks for these tubes in **Chapter 9. Sample Storage**

POLYPROPYLENE RACKS:
- **W-018**
- **19568**
- **19570**

METAL RACKS:
- **R-292**
- **R-281**
- **R-293**
- **R-282**
- **R-283**

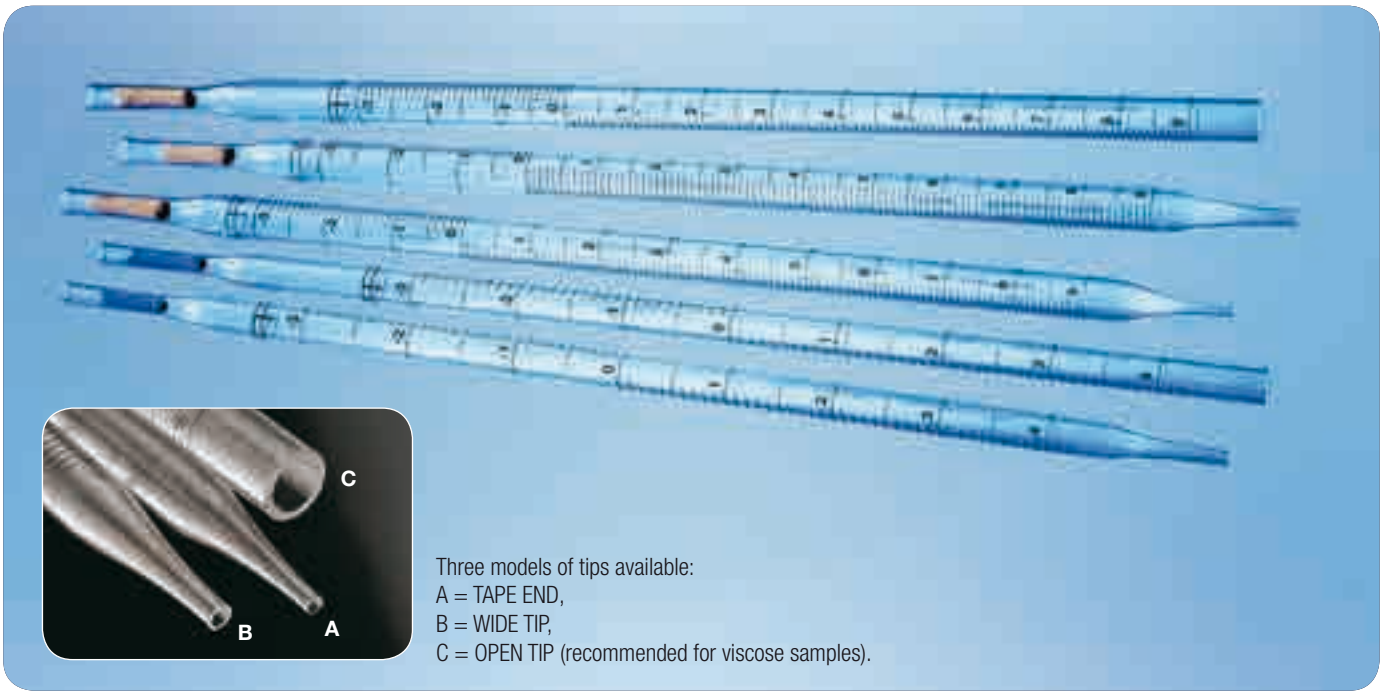




15 ml and 50 ml conical high resistance tubes. Sterile

Tubes made of transparent, copolymer polypropylene.
Green caps made of polyethylene with an internal liner which ensures leakproofness.
Tubes feature a solvent resistant white panel and black graduations for use both for clear or dark samples.
DNAse, RNAse, endotoxins and metal free.
They are **sterile by radiation** and withstand temperatures down to **–90 ºC** (15 ml) and **–80 ºC** (50 ml)..
Resistance to centrifugation: **17,000 xg** (15 ml) and **20.000 xg** (50 ml).
Autoclavable tube (the liner of the cap is not autoclavable)
Supplied in bags of 50 units.
Bags are printed with instructions for use and feature a double closure: a first tamper evident seal that helps guaranteeing sterility, and a secondary zip-lock, resealable closure.

	code	presentation	capacity ml	dimensions mm	case quantity	case weight	case volume
1	**409920**	bag 50 units	15	17 x 118	10 x 50	3.90	0.029
2	**409922**	bag 50 units	50	29.6 x 114.6	10 x 50	8.07	0.076



Three models of tips available:
A = TAPE END,
B = WIDE TIP,
C = OPEN TIP (recommended for viscose samples).

Sterile serological pipettes

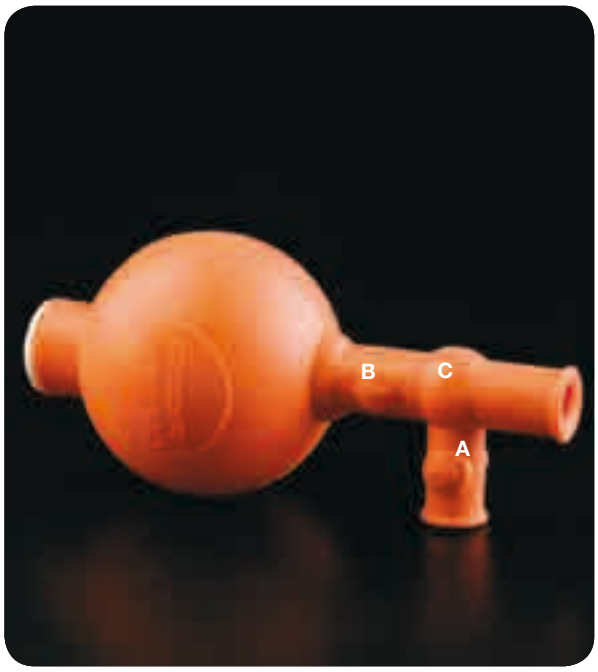
Single use, made of crystal polystyrene. Accuracy > 98 %.
Sterilised by radiation. Made in **one piece** for an optimum precision, except code **90043** (50 ml).
No liquid retention: as tip is not sealed, liquid is not held at the joint. Total dispensing guaranteed.
Non pyrogenic, non cytotoxic (ISO 10993-5) and non haemolytic (ISO 10993-4). **DNase and RNase free.**
Volumes range from 1 to 50 ml. Pipettes include a coloured cotton plug for better identification.
The peel-pack have a f**iber-free** packaging including a strip for easy opening. Black graduations are bright, black and **permanent**. 5, 10 and 25 ml models have negative graduations for extra capacity, and a second reverse scale (ascending and descending).
Precision certified according to ASTM E934 and ISO 12771.

code	capacity ml	presentation	cotton colour	case quantity	tip	graduation ml	negative graduation ml	total capacity ml	case weight	case volume	cases palet
900030	1	1 peel-pack	●	4 x 500	A	0/0.9	until –0.3	1.3	10.00	0.072	24
900031	1	bag of 25	●	4 x 1,000	A	0/0.9	until –0.3	1.3	14.52	0.071	30
900130	1	1 peel-pack	●	4 x 500	C	0/0.9	until –0.3	1.3	10.10	0.071	30
900131	1	bag of 25	●	4 x 1,000	C	0/0.9	until –0.3	1.3	14.00	0.071	25
900032	2	1 peel-pack	●	4 x 500	A	0/1.8	until –0.4	2.4	10.60	0.072	30
900033	2	bag of 25	●	4 x 1,000	A	0/1.8	until –0.4	2.4	17.20	0.071	30
900034	5	1 peel-pack	●	4 x 250	A	0/4	until –3	8	12.40	0.072	24
900038	5	bag of 25	●	4 x 375	A	0/4	until –3	8	15.00	0.071	30
900144N	5	1 peel-pack	●	4 x 250	B	0/4	until –3	8	12.20	0.072	30
900036	10	1 peel-pack	●	4 x 200	A	0/9	until –3	13	11.45	0.072	24
900037	10	bag of 25	●	4 x 250	A	0/9	until –3	13	13.08	0.071	30
900146N	10	1 peel-pack	●	4 x 200	B	0/9	until –3	13	11.51	0.072	30
900136N	10	1 peel-pack	●	4 x 200	C	0/9	until –3	13	11.51	0.072	30
900041	25	1 peel-pack	●	4 x 100	A	0/23	until –10	35	11.20	0.072	24
900043	50	1 peel-pack	●	4 x 25	A	1/2	until –10	60	2.50	0.019	60

Find trays, rotary stands and other products for pipettes in **Chapter 12. Safety and General Labware**

Please find racks for these tubes in **Chapter 9. Sample Storage**

See our plastic Pasteur pipettes in **Chapter 8. Liquid Handling**



EUROTUBO® Pipetting bulb

This one-handed design is the simplest safety pipette filler to use available. Manufactured in natural orange rubber.
Approx. drawn capacity: 25 ml.
Single hand use, only two operating points. Evacuate via the automatic valve.
Standard model, accommodates all pipettes. Ability to clean inside of bulb by removing patented valve and rinsing out.

code	description	bag quantity	bag weight	bag volume
19200	pippeting bulb	1	0.05	0.004



1. Evacuate the air by pressing the bulb, as the drawing indicates.



2. Intake by pressing on point B ⓐ.



3. Drain the liquid by pressing on point A ⓐ.



4. Blow out the pipette by pressing as the drawing indicates (point C).



Pipetting bulb

Made of rubber.
Used to avoid mouth pipetting and contamination risk.
Can be opened, cleaned and **autoclaved.**
Ideal for Wintrobe and Westergren pipettes.

code	description	bag quantity	bag weight	bag volume
19201	red pippeting bulb	1	0.04	0.0002





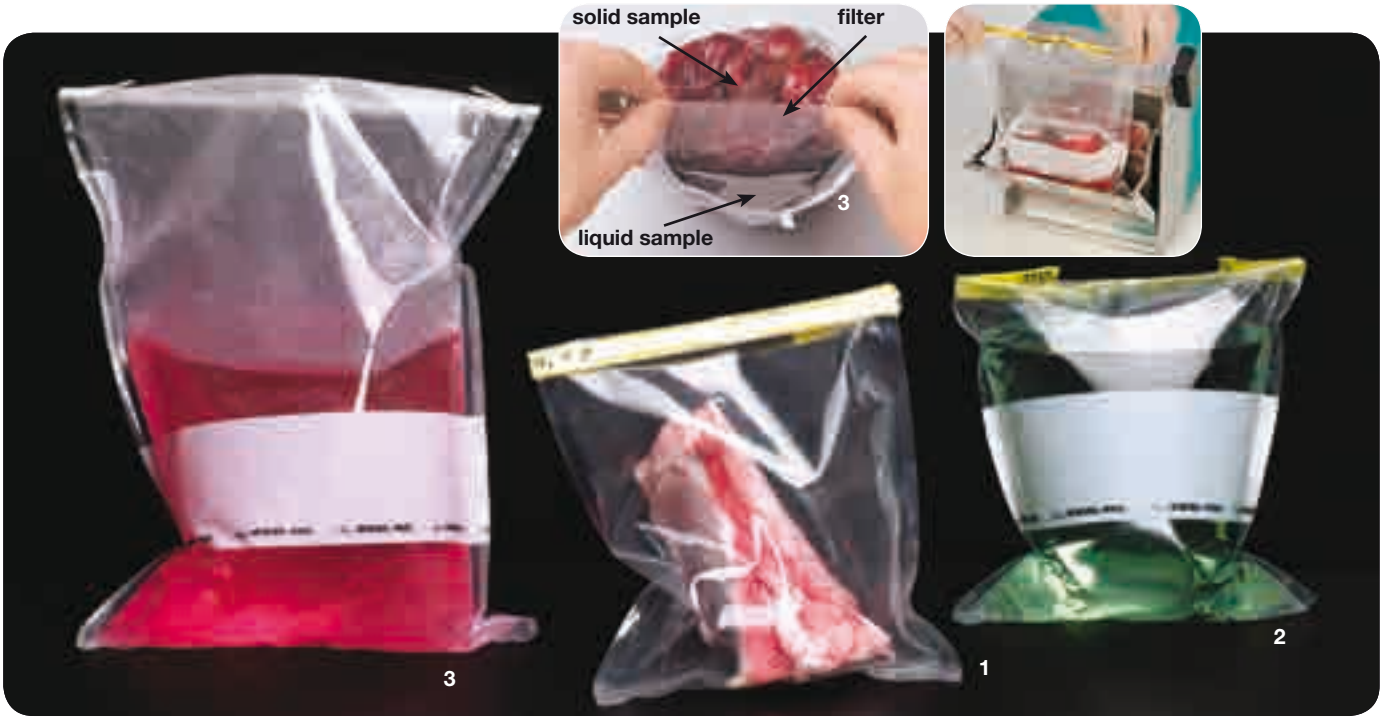
Pipette pumps

Several models for various pipette volumes.
Designed for fast and efficient pipetting with simple, one handed operation.
Pipettes fit smoothly into collar.
Rotate the knurled thumb wheel on the side for precision filling or dispensing, and press the fast release lever for quick emptying.
Easy to use and easily disassembled for cleaning.
Sizes are colour coded.
Pipette pumps resist acids and alkalies.

code	description	colour	bag quantity	bag weight	bag volume
W-100	up to 2 ml	blue	1	0.06	0.0002
W-110	up to 10 ml	green	1	0.06	0.0002
W-120	up to 25 ml	red	1	0.06	0.0002



Pipette pump support rack
See **chapter 12. Hygiene and safety.**



Sterile Whirl-Pak® blender bags with and without filter

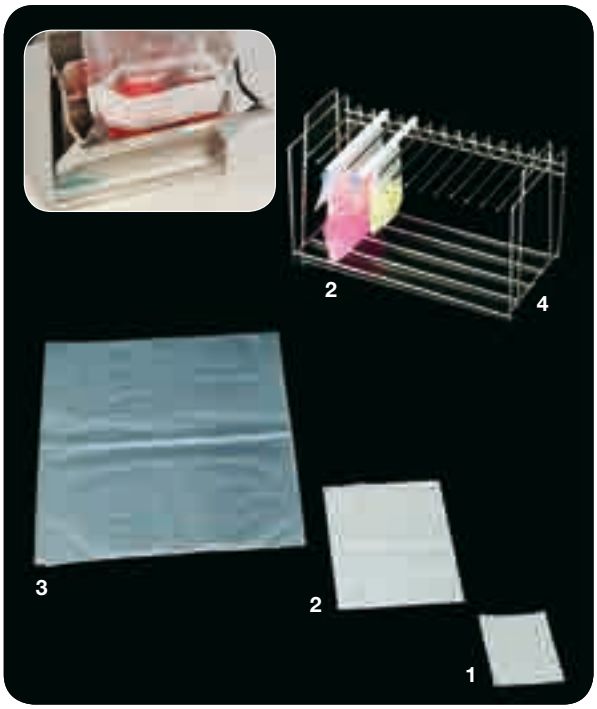
Bags made of a low density polyethylene blend, resulting in an **extra-resistant and transparent bag.**
Leakproof closure with several metallic rounded sticks (see how to use it on figures on page 110).
Codes **200373**, **200374** and **200376** feature a **filter layer** of finely **perforated polyethylene**, to separate the liquid and solids. This allows the **easy pipetting of the sample**.
There are 6.45 holes per cm^2, each one measuring 330 microns diameter.
Bags with a **one-piece seam**, avoiding the possible risks of the loss of the corners bags.
They feature a write-on strip (excluding codes **200342** y **200343**).
Ethylene Oxyde sterilised. Made with materials suitables for alimentary use.

mod.	code	description	alimentary use	capacity ml	dimensions cm	tickness microns	case quantity	case weight	case volume
1	**200342**	standard bag	✓	390	13 x 19	76	500	2.50	0.0170
1	**200343**	standard bag	✓	720	15 x 23	102	500	3.88	0.0168
NEW 2	**200350**	bag with write-on strip	✓	720	15 x 23	102	500	3.88	0.0168
2	**200351**	bag with write-on strip	✓	1,650	19 x 30	102	500	5.66	0.0182
3	**200373**	bag with filter and write-on strip	✓	720	15 x 23	102	250	1.98	0.0166
3	**200376**	bag with filter and write-on strip	✓	1,650	19 x 30	102	250	3.88	0.0180
3	**200374**	bag with filter and write-on strip	✓	2,041	19 x 38	102	250	4.28	0.0170

Sterile bags for STOMACHER® blenders

Made of polyethylene. Thickness: gauge 300. Ideal for mixing and blending bacterial samples or when collecting toxic substances from food, fabrics, etc.
Irradiation sterilised. Supplied in bags of 25 units.
Code **15006** is a stainless steel rack for 14 bags. Side handles incorporated.
To close bags. May be used with the rack **15006**.
Compounded by a blue tubular piece (230 mm) and a white clip (197 mm) which tightens the bag around the blue tube.
Code **15007** is a clip to close and adjust bags onto the rack.
Also available non sterile versions. Please ask for the minimum order quantity and delivery time. Add an "S" at the end of the code.

mod.	code	description	capacity ml	case quantity	case weight	case volume
1	**15001**	bag 100 x 155 mm	80	100 x 25	5.00	0.014
2	**15003**	bag 180 x 300 mm	400	20 x 25	4.20	0.014
3	**15004**	bag 380 x 580 mm	3,500	8 x 25	6.12	0.014
4	**15006**	rack 390 x 200 x 240 mm	-	1	1.77	0.039
5	**15007**	clips	-	50	0.77	0.004

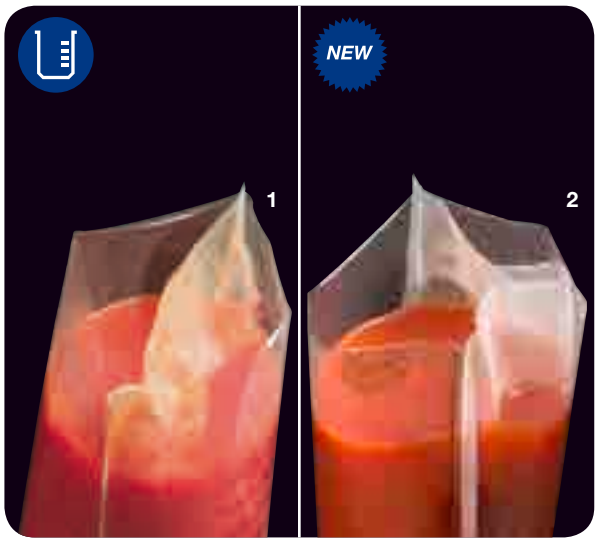




Sterile homogeniser lateral filter bag

Filter bag suitable for PCR and small volumes, it can be used with very short pipette.
The unique and patented Pull-Up system allows to pinch the bag and pull up the filtered liquid for easy pipetting.
Nonwoven side filter having a porosity of 50 microns, rigid and transparent. The filtration is performed during homogenization, it is not necessary to wait for the sedimentation of particles.
Compatible with any lab blender.
Steriles by radiation.

code	packaging	case quantity	case weight	case volume
15008	homogeniser lateral filter bag 400 ml	10x25	2.72	0.010



Sterile homogeniser full size filter bag

Bag made of transparent polyethylene (PE) divided in two parts by a filter:
15005: the filter is integrated into the bag.
122000: joined to the bag by a point in the upper part of the sheet.
The sample is inserted into one of the compartments and, after being homogenised and filtered, the solid particles remain in the initial compartment, while the liquid ones pass to the other compartment and can be extracted with a pipette without any risk of obstruction.

mod.	code	packaging	sterile	case quantity	case weight	case volume
1	**15005**	bag 190x300 mm	STERILE R	500	6.50	0.047
2	**122000** NEW	bag 190x300 mm	STERILE R	20x25	5.92	0.020

mod.	code	filter	recommended working volume (ml)	maximum capacity (ml)	bag graduation
1	**15005**	286 holes/cm²	50-400	1,600	YES (each 100 ml)
2	**122000** NEW	280 microns	1,600	1,600	NO



Tissue grinders-homogenisers

Borosilicate glass vessels and serrated plunger. Tips: head made of TEFLON, shaft made of stainless steel. Fully **autoclavable.**
The distance between the glass and the plunger is ± 200 µm.
Glass vessels:

code	volume ml	body Ø mm	height mm	quantity	weight	volume
196102	2	8	120	1	0.01	0.001
196105	5	12	132	1	0.01	0.001
196110	10	16	150	1	0.02	0.001
196115	15	19	155	1	0.03	0.001

Plunger-serrated tips:

code	for tube of mm	height mm	quantity	weight	volume
196302	2	230	1	0.06	0.001
196305	5	235	1	0.06	0.001
196310	10	270	1	0.06	0.001
196315	15	270	1	0.02	0.001

121°C





Thiosulfate

Sodium thiosulfate sterile bags Whirl-Pak

Specially designed for sampling chlorinated water: waste water, surface and irrigation water supplies, recreational waters, potable water.
Te code **292603** contains one tablet of 10 mg sodium thiosulfate and the code **292604** contains **3 tablets**.

Ethylene oxide sterile.
As an added feature, these bags have a convenient.
Write-on strip and markings for 100 ml and 300 ml measurements.
These markings help the technician to collect the correct amount of water as required by the testing procedure.
The write-on strip will accept virtually any writing instrument and minimizes ink smearing on the surface.

code	capacity ml	dimensions cm	case quantity	case weight	case volume
292603	for 100	7.5 x 18.5	100	0.41	0.0025
NEW **292604**	for 300	11.5 x 23	100	0.54	0.0035

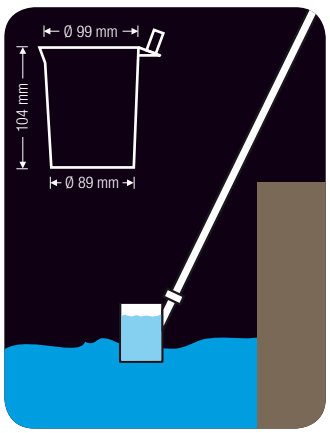
Long-handled dippers

Polypropylene cup and polyethylene handle.
For convenient sampling from tanks, vats, streams, ponds, lakes, etc. These dippers are light, easy to use and portable. The polypropylene cups have threaded fittings that screw onto the handle.
Two pouring spouts on the 500 ml dipper make it useful for left or right handed people to pour from either side.
The end of the handle has a hook for hanging.
Autoclavable container (up to **121°C**).

code	description	quantity	weight	volume
19575	91 cm handle, 500 ml container	1	0.30	0.009
19576	183 cm handle, 500 ml container	1	0.76	0.020
19577	container 500 ml (fits either handle)	1	0.30	0.005

Please ask the commercial department for other lengths.

121°C
container







Sterile jars for water sampling

Thiosulfate

Transparent squared jars made of PET.
Wide mouth and grips at two sides, easing the sample collection.
Red cap made of polypropylene with internal liner made of polexan with a label that performs as tamper evident.
Sterilised by radiation. Each bottle is labelled specifying description, code, lot, and expiry date.
Internal mouth diameter mm: 55
Jar weight (gr):
500 ml jar: 44 g - 1,000 ml jar: 65 g - 1,500 ml jar: 72 g
Available with or without thiosulfate sodium.
With liquid sodium thiosulfate (24 mg/l): Ideal to analyze water meant for human consumption, swimming pools, and any other water where chlorine may modify the composition of the sample while being transported.
Empty, without thiosulfate: Ideal to sample water for physico-chemical analysis, as well as for other sampling requiring sterile bottles.

mod.	code	description	sterile	capacity ml	case quantity	case weight	case volume	cases per pallet
1	**282340**	jar **with thiosulfate**	**STERILE R**	500	44	2.68	0.036	40
2	**282341**	jar **with thiosulfate**	**STERILE R**	1,000	48	4.30	0.076	20
3	**282350**	jar **without thiosulfate**	**STERILE R**	500	44	2.68	0.036	40
4	**282351**	jar **without thiosulfate**	**STERILE R**	1,000	48	4.30	0.076	20

*Minimum ordering quantity: 1 pallet.
We can supply any other concentration according to each country's standards.
We can also dose thiosulfate in other jars from our catalogue.
Optionally presented in individual bags if requested.

See industrial funnels on **Chapter 13. Laboratory and industrial packaging**



Please ask for customized labes



Sterile bottles for water sampling

Thiosulfate

Rectangular body and cap made of polyethylene. The minor sides are gripped for a better handling.
The larger sides are flat for labelling. Tamper evident red cap with an internal joint. Hermetical closure.
Sterilised by radiation.
Each bottle is labelled specifying description, code, lot, and expiry date.
Dimensions:
500 ml bottle: 83 x 65 x 135 mm - 1,000 ml bottle: 83 x 65 x 235 mm.
Mouth diameter intern: 28 mm.
Unitary weight (empty bottle):
500 ml bottle: 40 g - 1,000 ml bottle: 61 g.
Available with or without thiosulfate sodium
With liquid sodium thiosulfate (24 mg/l): Ideal to analyse water meant for human consumption, swimming pools, and any other water where chlorine may modify the composition of the sample while being transported.
Empty, without thiosulfate: Ideal to sample water for physico-chemical analysis, as well as for other sampling requiring sterile bottles.

code	description	sterile	capacity ml	case quantity	case weight	case volume	cases per pallet
282320	bottle **with thiosulfate**	**STERILE R**	500	24	1.35	0.025	48
282321	bottle **with thiosulfate**	**STERILE R**	1,000	20	1.67	0.033	42
282323	bottle **with thiosulfate**	**STERILE R**	500	111	6.00	0.110	16
282323.BU	bottle **with thiosulfate**, individually wrapped	**STERILE R**	500	111	6.04	0.110	16
282324	bottle **with thiosulfate**	**STERILE R**	1,000	68	5.15	0.100	16
282324.BU	bottle **with thiosulfate**, individually wrapped	**STERILE R**	1,000	68	5.41	0.110	16
282330	bottle **without thiosulfate**	**STERILE R**	500	24	1.36	0.025	48
282331	bottle **without thiosulfate**	**STERILE R**	1,000	20	1.37	0.033	42
282333	bottle **without thiosulfate**	**STERILE R**	500	111	5.92	0.110	16
282334	bottle **without thiosulfate**	**STERILE R**	1,000	68	5.15	0.110	16

We can supply any other concentration according to each country's standards.
For other volume bottles, please contact our sales departement.
Optionally presented in individual bags if requested.



Please ask for customized labels







Screw thread microtubes

Made of **autoclavable** polypropylene, they can be used at extreme temperatures from **–190 ºC to +121 ºC**.
Two versions available: in transparent polypropylene, or opaque brown **(UV resistant**, designed to be used with light sensitive samples).
Certified RNAse, DNAse and pyrogen free.
Tubes and caps can be centrifuged at **17,000 xg.**
Caps are supplied separately, see below. Dimensions: 11 x 44 mm.

mod.	code	volume ml	skirt	case quantity	case weight	case volume
Transparent polypropylene						
1	**409110.1**	0.5	yes	1,000	1.47	0.010
2	**409110.2**	1.5	yes	1,000	1.45	0.009
3	**409110.3**	1.5	no	1,000	1.42	0.009
4	**409110.4**	2.0	yes	1,000	1.30	0.010
Brown polypropylene						
5	**409113.1**	0.5	yes	1,000	1.54	0.009
6	**409113.2**	1.5	yes	1,000	1.34	0.009
7	**409113.3**	1.5	no	1,000	1.43	0.009
8	**409113.4**	2	yes	1,000	1.34	0.009



Caps for screw thread microtubes

Made of polypropylene.
Caps are available either with an attachment loop or without loop.
Both models have a sealing O-ring (red) of silicone to ensure a positive leakproof seal.
For sample identification, colour coding inserts can be placed upon caps (made of polypropylene).
Cap dimensions: 13 x 8 mm.

mod.	code	description	case quantity	case weight	case volume
Transparent polypropylene					
1	**409007.N**	cap with loop	1,000	0.41	0.003
2	**409008.N**	cap without loop	1,000	0.40	0.002
Brown polypropylene					
3	**409007.M**	brown cap with loop	1,000	0.45	0.003
4	**409008.M**	brown cap without loop	1,000	0.55	0.010
Inserts					
5	**409111R**	red insert	500	0.06	0.001



Screw cap microtubes, with cap. Sterile

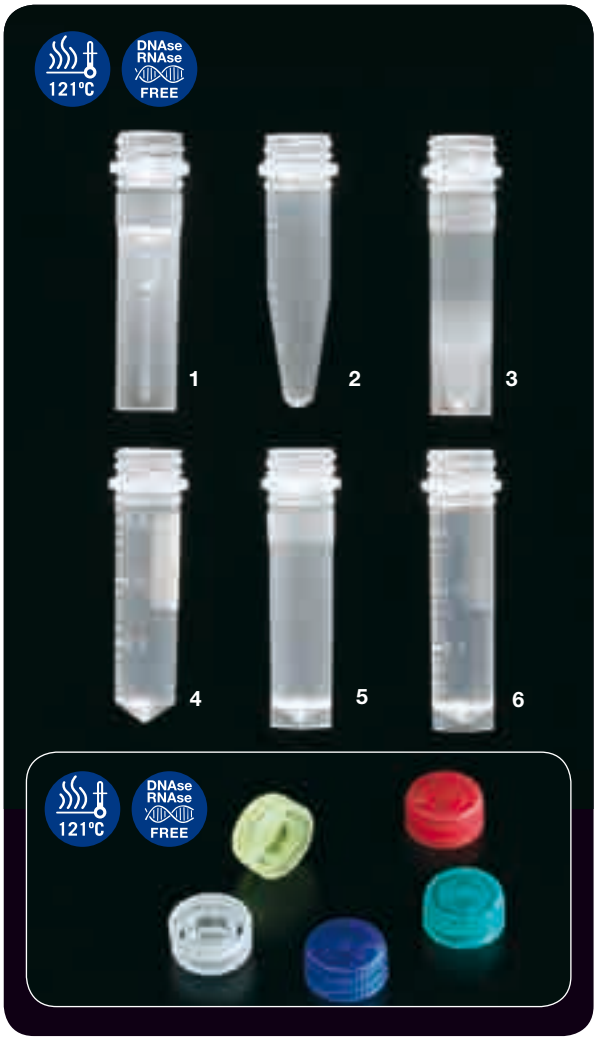
Tubes and caps in medical grade, transparent polypropylene.
The cap embodies a non-reactive ethylene-propylene o-ring.
Suitable for **autoclave, liquid nitrogen (gaz) and boiling processes**.
Perfect for long term storage.
Withstand temperatures from **–190 ºC**.
Centrifugation Resistance: **20,000 xg.**
DNAse, RNAse, DNA, and PCR inhibitors free.
Graduated models feature a frosted area for writing.
The non-graduated model incorporates an external grip for an easy handling. Microtubes are supplied capped, in bags of 50 units.

code	description		graduation	case quantity	case weight	case volume
409115/4	0.5 ml skirted	STERILE R	✗	50 x 50	5.90	0.030
409115/2	1.5 ml non skirted	STERILE R	✓	50 x 50	5.90	0.030
409115/6	2 ml skirted	STERILE R	✓	50 x 50	5.90	0.030
409115/3	2 ml non skirted	STERILE R	✓	50 x 50	5.90	0.030

Screw thread microtubes

Made of transparent polypropylene.
Suitable for use in liquid nitrogen, **autoclave** and for boiling applications, and can be used at temperatures down to **–190 ºC**.
Certified RNAse, DNAse and PCR inhibitors free.
Products ideal for long term sample storage.
Withstand centrifugation at **20,000 xg**. The codes **409111/4**, **409111/5** and **409111/6**, with external moulded slots for better handling with gloves.
Dimensions: 10.3 x 44.5 mm (except code **409111/2**: 10.3 x 43.6 mm).
Caps are supplied separately, see below.

mod.	code	description	graduation	case quantity	case weight	case volume
1	**409111/4**	0.5 ml skirted	✗	500	0.78	0.005
2	**409111/2**	1.5 ml	✓	500	0.61	0.005
3	**409111/5**	1.5 ml skirted	✗	500	0.73	0.005
4	**409111/3**	2.0 ml	✓	500	0.71	0.005
5	**409111/6**	2.0 ml skirted	✗	500	0.76	0.005
6	**409111/7**	2.0 ml skirted	✓	500	0.73	0.005



Caps for screw thread microtubes

Made of medical grade polypropylene.
Feature an internal O-ring to ensure leakproof seal.
Dimensions 13.0 x 6.0 mm.
Certified RNAse, DNAse and PCR inhibitors free.

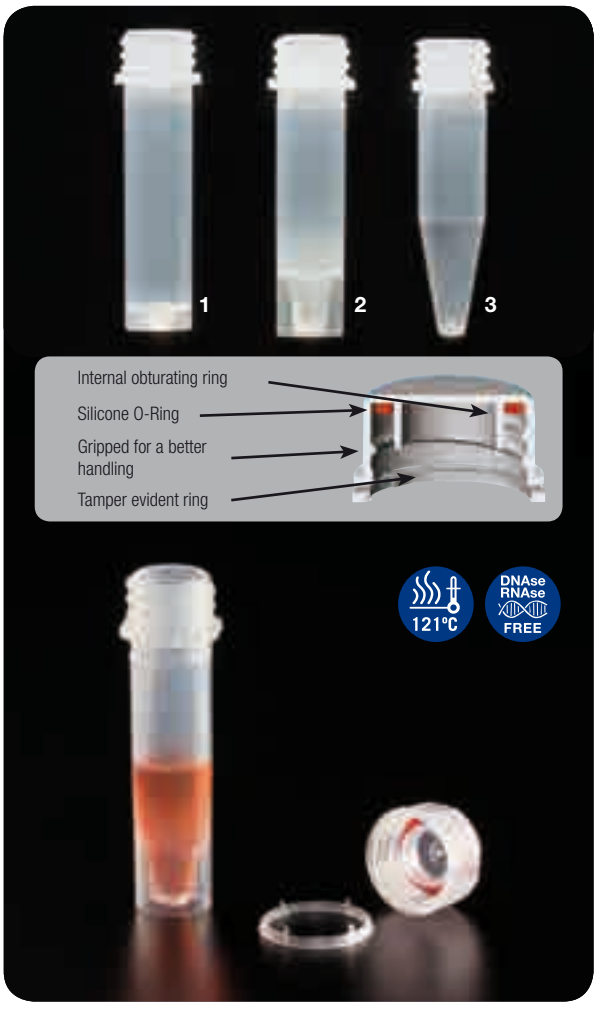
code	colour	case quantity	case weight	case volume
409112/0	natural	500	0.019	0.0009
409112/1	blue	500	0.019	0.0009
409112/2	green	500	0.019	0.0009
409112/4	red	500	0.019	0.0009
409112/6	yellow	500	0.019	0.0009

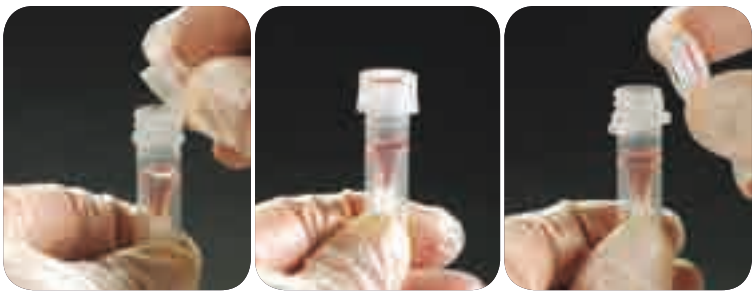
Screw thread tamper evident microtubes

Microtubes and caps are made of autoclavable ultra clear polypropylene. Ribbed cap with internal silicone O-ring for a positive **leakproof seal.** Super fast ¼ turn thread design.
Tamper evident seal which notices if microtube has been opened.
Rnase, Dnase and Pyrogen free.
They can be used at extreme temperatures from **–196 ºC** to **121 ºC**.
Resistance to centrifugation: **17,000 xg.**
Microtube dimensions: 11 x 44 mm.
Cap dimensions (with tamper-evident ring): 15 x 9 mm.
Used on:

- Test of fertility and DNA testing
- Packaging of diagnostic kits and reagents
- Forensic laboratories

mod.	code	volume ml	case quantity	case weight	case volume
1	**409110.4T**	2	1,000	2.06	0.013
2	**409110.2T**	1.5	1,000	2.06	0.013
3	**409110.5T**	1.5	1,000	0.65	0.013





Screw cap until locking ring clicks over serrated tube neck.
Contents are now protected until cap is removed and tamper-evident ring is detached.



Human DNAsa, RNAsa and DNA free certified swabs, steriles

Human DNA free Certified. **Sterilised by ethylene oxyde**.
The swab is supplied in a polypropylene tube, which protects the sample up to the laboratory prior to its analysis.
The stick of the swab is made of polystyrene while the head is produced with viscose or polyester according to the code.
The tube is labeled indicating code, description, lot, expiry date and providing an identifying area to note down collection details (site, date, etc.).
Moreover, the label seals the tube with the cap of the swab, acting like a tamper evident system.

code	description	selling unit	case quantity	case weight	case volume
300252DNA	polystyrene + viscose	500	4 x 500	14.20	0.066
300263DNA	polystyrene + polyester	500	4 x 500	14.20	0.066

Expiry date: 48 months from sterilisation date

0.2 ml Real Time PCR tubes

Tubes made of polypropylene, featuring attached hinged caps. **Autoclacable.**
Flat caps are easily pierceable and offer optical quality, thus allowing their application in **Real Time PCR.**
Available in strips of 8 tubes (see code **4095.1NP** in the following page).
Certified **RNAse, DNAse and PCR inhibitors free.**

code	description	case quantity	case weight	case volume
4094.5N	PCR 0.2 ml QPCR tube	1,000	0.25	0.003



0.2 ml PCR tubes

Tubes made of polypropylene, featuring attached hinged caps. **Autoclacable.**
Caps are flat and easily pierceable.
See strips of these tubes on the following page (codes **4094.3N** and **4094.4N**).
Certified **RNAse, DNAse and PCR inhibitors free.**

code	colour	case quantity	case weight	case volume
4094.1N	natural	1,000	0.24	0.003
4094.1A	blue	1,000	0.24	0.003
4094.1R	red	1,000	0.24	0.003
4094.1AM	yellow	1,000	0.24	0.003

See minimum order and delivery time for other colors.

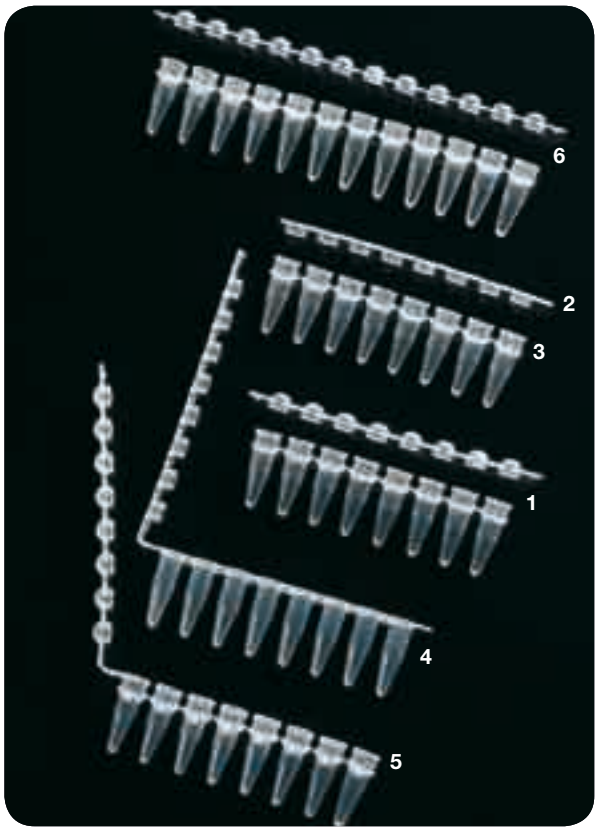


0.2 ml PCR tubes

Made of polypropylene. **Autoclacable.**
Tubes with attached domed cap.
Certified **RNAse, DNAse and PCR inhibitors free.**

code	description	colour	case quantity	case weight	case volume
4095.9N	individual tube with cap	natural	1,000	0.25	0.003





0.2 ml PCR tubes in strips

Made of natural colour polypropylene. **Autoclacables.**
Certified RNAse, DNAse and pyrogen free.
Different models available:
- Strip of 8 or 12 tubes with its corresponding strip of 8 or 12 domed caps.
- Strip of 8 tubes with its attached hinged strip of domed caps.
- Strip of 8 tubes with its attached hinged strip of flat caps, suitable for **Real Time PCR.**
- Strip of 8 tubes.
- Strip of 8 flat caps, suitable for **Real Time PCR.**

Cap and tube strips allow easy handling and inventory of tubes and caps. Cap strips prevent cross-contamination from tube to tube.
Code **4095.7N** is also suitable for plates.

	code	description	case quantity	case weight	case volume
1	**4095.2N**	8 tube strip + 8 domed cap strip	125 strips	0.30	0.0036
2	**4095.7N**	strip of 8 flat caps	125 strips	0.07	0.0008
3	**4095.6N**	8 tube strip	125 strips	0.22	0.0028
4	**4095.1NP**	8 tube strip attached to 8 flat cap strips	125 strips	0.23	0.0036
5	**4095.1N**	8 tube strip attached to 8 domed cap strips	125 strips	0.23	0.0036
6	**4095.4N**	12 tube strip attached to 12 domed cap strips	80 strips	0.20	0.0028

Ask for another colours.

QPCR PCR DNAse RNAse FREE 121°C

2, 3, 4

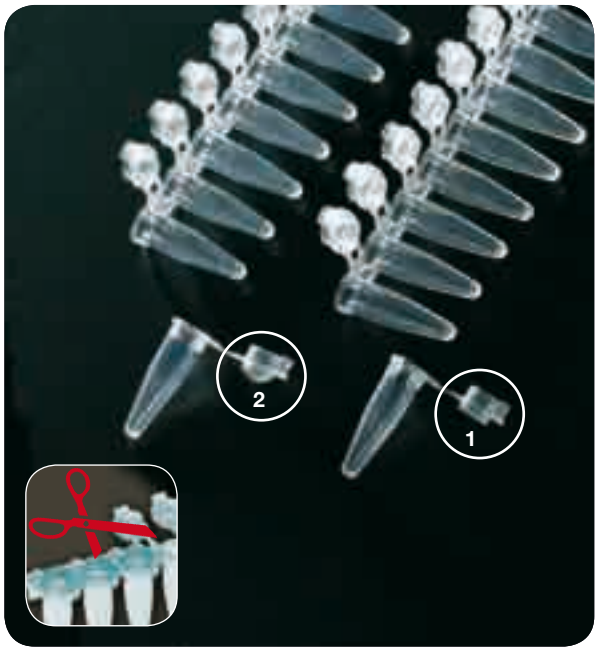


0.2 ml PCR tubes in strips

Tubes made of polypropylene, featuring attached hinged caps. **Autoclacables.**
Suitable for **Real Time PCR**.
See individual tubes on page 53 (**4094.1N**). Caps are flat and easily pierceable.
Certified RNAse, DNAse and pyrogen free.
In bags of 10 strips.
Available in standard height (code **4094.3N**) and low profile (code **4094.4N**) that minimizes the effects of condensation and it allows working with small samples even less than 20 µl.

	code	description	case quantity	case weight	case volume
1	**4094.3N**	strip of 8 tubes and 8 attached caps	120 strips	0.27	0.0036
2	**4094.4N**	strip of 8 tubes and 8 attached caps **low profile**	120 strips	0.22	0.0028

QPCR PCR DNAse RNAse FREE 121°C



0.2 ml PCR tubes in strips

Made of **autoclavable** polypropylene.
Certified RNAse, DNAse and pyrogen free.
The strip includes 8 integral 0.2 tubes with ultra thin sidewalls and bottoms with individually attached caps.
Available with either **flat (needle pierceable) or dome-topped individually** attached hinged caps.
Every cap embodies a shield in order to prevent contamination when being opened.
While easily opened and closed with one hand, their positive sealing will fully protect the contents from evaporation during the whole thermal cycle. These strips can be cut to any length while each tube has its own attached cap.

	code	cap	colour	case quantity	case weight	case volume
1	**4096.2N**	flat cap	natural	125 strips	0.85	0.007
2	**4096.3N**	domed cap	natural	125 strips	0.85	0.007

121°C PCR DNAse RNAse FREE 121°C

Real Time PCR

Polimerase Chain Reaction is one of the most common techniques in every lab where Molecular Biology is being used. Its applications comprise **Diagnostics, Genetic and Prenatal testing, Tissue Typing, Forensics, Pharmacological evaluation,** among others**.**

One of the **most useful PCR techniques** is the **Real Time PCR,** also known as **Quantitative PCR (QPCR). Its main advantage in front of standard PCR is that it saves time as the quantification is being held during DNA amplification.** While standard PCR needs a quantifying process after DNA amplification, **QPCR gives results in real time.**

PCR standard consumables are mainly made of transparent polypropylene. After some years of experience, laboratory technicians have found that **crosstalking among transparent wells may affect the real time quantification**. **Opaque white wells and tubes** have proved to avoid this well-to-well crosstalking, thus **ensuring an exact** and **reliable quantification**.

Opace wells also allows luminosity absorption.

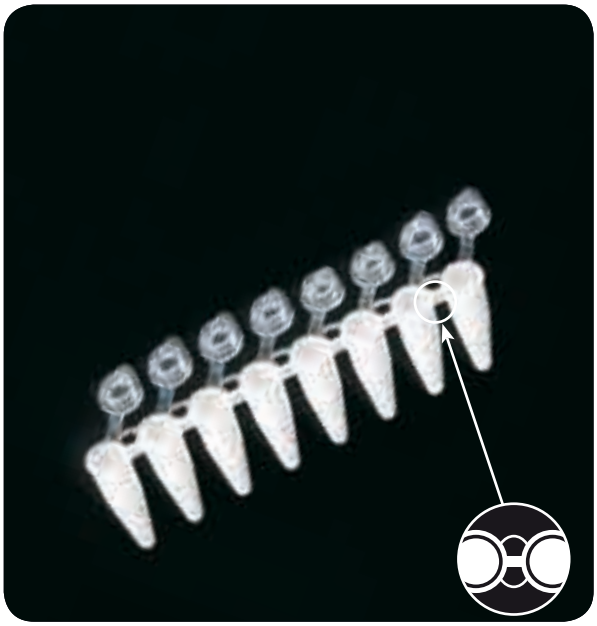
The following pages include the newest innovations in this brand new area; like **bi-mould technologies**, which allow the manufacture of an opaque tube attached to an optically clear cap.

White well technology is available in both strips of tubes or also 96 well plates.

0.2 ml, Real Time PCR tubes in strips

Tubes made of polypropylene. **Autoclacable.**
Strip of 8 tubes, each one featuring an attached flat cap.
Strips are manufactured by biomaterial molding, so the tubes are made of opaque white PP, while caps are compounded of transparent, optically clear PP.
Opaque white tubes perform the highest performance in **Real Time PCR**, as they avoid crosstalking between wells.
Specially conceived for **Real Time PCR**.
Caps are easily pierceable. **Certified RNAse, DNAse and PCR inhibitors free**.
In bags of 10 strips.

code	description	case quantity	case weight	case volume
4094.5BP	strip of 8 white 0.2 ml QPCR tubes and 8 attached caps	120	0.27	0.004



0.2 ml, Real Time PCR tubes in strips

Tubes made of polypropylene. **Autoclacable.**
Strip of 8 tubes, featuring an attached strip of 8 flat caps. Strips are manufactured by biomaterial molding, so the tubes are made of opaque white PP, while caps are compounded of transparent, optically clear PP. Opaque white tubes perform the highest performance in Real Time PCR, as they avoid crosstalking between wells. Specially conceived for **Real Time PCR.**
Caps are easily pierceable.
Certified RNAse, DNAse and pyrogen free.

code	description	case quantity	case weight	case volume
4095.1BP	strip of 8 white 0.2 ml QPCR tubes and 8 caps	125	0.23	0.004

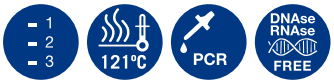




Graduated 0.5 ml PCR tubes

Made of **autoclavable** polypropylene.
Certified RNAse, DNAse and pyrogen free.
Attached hinged caps are flat and easily pierceable.
Tubes are easily opened and closed with one hand.
Tubes have moulded-in graduations in 0.1 ml increments from 0.1 up to 0.6 ml, and a frosted panel on their side for writing or labelling.

code	colour	case quantity	case weight	case volume
4094.2N	natural	1,000	0.38	0.005
4094.2AM	yellow	1,000	0.38	0.005
4094.2A	blue	1,000	0.38	0.005
4094.2R	red	1,000	0.38	0.005

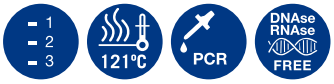


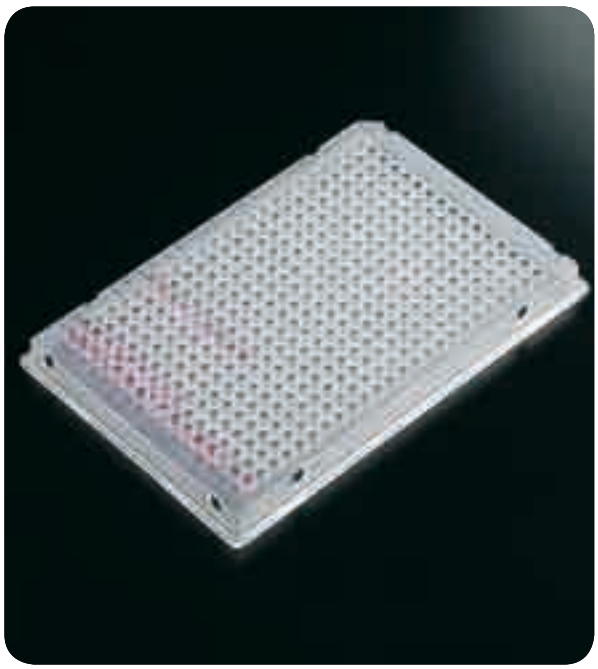


Graduated 0.5 ml PCR tubes

Same features as the above tubes, but with a domed cap.

code	colour	case quantity	case weight	case volume
4095.5N	natural	1,000	0.46	0.005





384 wells plate skirted

Made of transparent polypropylene. 384 wells plate.
Each well has a capacity of 50 µl.
A low rim around the top of each well helps to prevent accidental cross-contamination
All wells are thin walled for an excellent thermal transfer.
Orientation cut is at position A 24 (upper right).
A black printed alphanumeric grid helps sample identification.
RNAse, DNAse, DNA and PCR inhibitors free.
Suitable for **PCR** and **real time PCR (QPCR)**.
Dimensions according to the **SBS** standard.

code	description	case quantity	case weight	case volume
900384	384 PCR well plate	10 x 10	3.20	0.026

Minimun order quantity: 10



www.laboquimia.es

PCR Plates – COMPATIBILITY CHART Well Shape		900111	900110 unskirted	900122 semi skirt	900112 semi-skirt	900113B semi skirt	900123 skirted	900384 skirted	9000098 unskirted	900095 white, skirted 900093 black, skirted
Standard well. (Overall height approx. 21 mm, max. capacity approx. 350 µl)		●		●					●	
Low profile well. (Overall height approx. 16 mm, max. capacity approx. 200 µl)			●		●	●	●	50 µl		●
Apollo Brand										
	ATC401	●							●	●
Applied Biosystems										
Thermal Cyclers	2700	●		●				●	●	
	9600	●		●					●	
	9700	●		●				●	●	
	9800 "Fast"				●					
	Veriti 0.1 ml				●					
	Veriti 384							●		
"Real Time" Cyclers										
	5700	●		●						
	PRISM 7000	●		●					●	
	7300	●							●	
	7500	●							●	
	7500 "Fast"				●					
	7700	●		●					●	
	Step One plus				●					
Sequencers	PRISM 310	●		●						
	PRISM 3100	●		●						
	3130 (XL)	●		●						
	3700	●		●				●		
	PRISM 3730 (XL)	●		●						
Amersham										
Sequencers	MegaBace 500						●			●
	MegaBace 1000						●			
	MegaBace 4000							●		
Beckman										
Sequencers	CEQ	●								
Biometra										
Thermal Cyclers	Uno	●	●	●			●		●	●
	Uno II	●	●	●				●	●	
	T1 Thermal Cycler	●	●	●			●	●	●	●
	Tgradient	●	●	●			●		●	●
	Trobot	●	●	●			●	●	●	●
Bio-Rad/MJ Research										
Thermal Cyclers	Gene Cycler	●								
	PTC-100	●	●	●			●	●	●	●
	PTC-200	●	●	●			●	●	●	●
	PTC-220/221	●	●				●		●	●
	PTC-225 Tetrad	●	●	●			●	●	●	●
	Dyad/Dyad Disciple	●	●	●			●	●		
	iCycler	●		●			●		●	
	MyCycler	●		●					●	
	Mini Gradient	●	●							
	Personal	●		●						
	DNA Engine family	●	●	●			●	●		
	C1000/S1000	●	●	●			●	●	●	●
"Real Time" Cyclers	Opticon/Opticon2	●	●				●			
	Chromo-4		●				●			●
	iCycler	●		●			●	●		
	MyiQ	●		●			●			
	iQ5	●		●			●			
	CFX96						●			
	CFX384							●		
Sequencers	BaseStation						●			●

PCR Plates – COMPATIBILITY CHART Well Shape		900111	900110 unskirted	900122 semi skirt	900112 semi-skirt	900113B semi skirt	900123 skirted	900384 skirted	9000098 unskirted	900095 white, skirted 900093 black, skirted
Standard well. (Overall height approx. 21 mm, max. capacity approx. 350 µl)		●		●					●	
Low profile well. (Overall height approx. 16 mm, max. capacity approx. 200 µl)			●		●	●	●	50 µl		●
Corbett Research	PalmCycler 96		●	●			●		●	●
(Qiagen)	PalmCycler 384							●		
Eppendorf	Mastercycler	●	●	●			●			
	Mastercycler Gradient	●							●	●
	Mastercycler ep	●	●	●			●			
	Mastercycler M384							●		
"Real time" Thermal Cyclers	Mastercycler ep Realplex			●			●		●	●
Ericom	Power Block I	●	●							
	Deltacycler I	●	●	●					●	
	Deltacycler II	●	●						●	
	Single Block	●	●	●					●	
	Twin Block	●	●	●					●	
Esco	Swift	●		●				●		
Flexi	Gene	●		●			●	●		
	Genius	●		●			●			
G-Storm	GS1	●	●	●						
	GS4	●	●	●						
	GSX	●	●	●						
	GSXs	●	●	●						
MWG	Primus 96	●	●	●			●		●	●
	Primus 384							●		
	TheQ Lifecycler	●	●				●		●	●
Roche										
"Real Time" Cyclers	LightCycler 480					●				
Stratagene	Robocycler 96	●		●					●	●
	Gradient Cycler	●		●			●		●	●
	Robocycler Gradient	●	●	●			●			
"Real Time" Cyclers	Mx4000 and Mx3000	●	●						●	
	Mx3005P™	●		●			●		●	
TaKaRa	TP240						●			
	TP3000	●	●	●			●		●	●
Techne	Touchgene	●	●	●					●	●
	Cyclogene	●	●	●					●	●
	Genius	●	●	●					●	●
	Genius Quad	●	●	●					●	●
	Genius (TC412)	●	●	●			●		●	●
	Flexigene	●	●	●			●	●	●	●
	Touchgene X	●	●	●			●	●		
	Touchgene Gradient ITC512)	●	●	●			●	●	●	●
"Real Time" Cyclers	Quantica		●				●			●
Thermo Hybaid	PCR Sprint	●	●	●			●			
	MBS Satelite System	●	●	●			●	●	●	●
	Px2 and PxE	●	●	●			●	●	●	●
	PCR Express and Omni-E	●	●	●			●	●	●	●
	Touchdown	●	●	●			●	●	●	●
	Omnigene	●	●	●			●	●	●	●
Transgenomic										
Sequencers	WAVE System						●			●

96-well flexible PCR plate

Made of **autoclavable** polypropylene.
It is suitable for both real time and standard PCR thermocyclers.
This 96-well PCR plate is thin-walled for rapid thermal transfer. Flexible, the plate could be easily cut into sections of 24, 32 or 48 tubes.
An alphanumeric grid helps sample identification, and to facilitate orientation, the bottom right corner of the plate is cut away.
Dimensions: 120 x 73 x 20 mm.
Certified RNAse and DNAse free.
Dimensions according to the **SBS** standard

code	colour	case quantity	case weight	case volume
900098	natural	10	0.22	0.0024



96-well low profile skirted PCR plate

Made of polypropylene. Each "low profile" well has a capacity of 200 µl. A low rim around the top of each well helps to prevent accidental cross-contamination and makes easy the sealing with film.
All wells are thin walled for an excellent thermal transfer.
This plate has a skirt approximately 15 mm high that can be filled using automatic fluid handling systems or standard multichannel pipettors.
A black printed alphanumeric grid helps sample identification.
Orientation cut is at position A 12 (upper right).
RNAse, DNAse, DNA and PCR inhibitors free.
Suitable for PCR and real time **PCR (QPCR)**.
Dimensions according to the **SBS** standard.

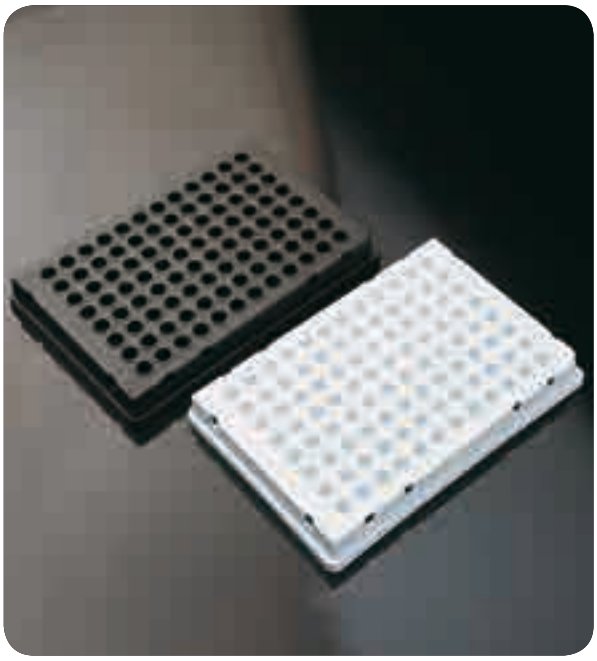
code	colour	case quantity	case weight	case volume
900123	natural	10	0.30	0.003

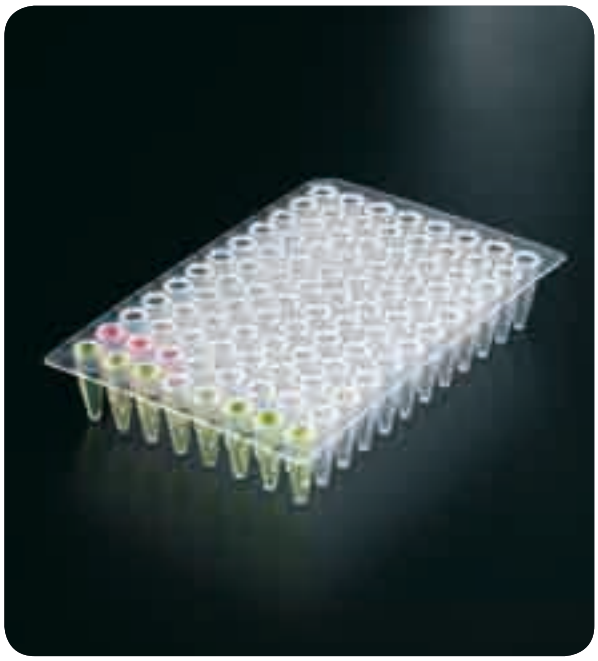


Opaque skirted 96 well PCR plate

Made of **autoclavable** polypropylene.
Alphanumeric identification.
The skirt around the plate provides a labelling area.
Conical-bottomed wells.
The plate can be handled by robotic equipment and is ideal with automated pipetting systems. To facilitate orientation, the bottom right corner of the plate is cut away.
Well dimensions: 5.5 mm. Well depth: 14 mm.
Code **900093**: Black plate for fluorescent PCR.
Code **900095**: White plate for luminescence (optical absorption) PCR.
Dimensions: 126 x 84 x 15 mm.
Certified RNAse and DNAse free.
Well plate volumen: 100 µl.

code	description	case quantity	case weight	case volume
900093	96 well black plate	5 x10	1.35	0.010
900095	96 well white plate	5 x 10	1.35	0.010

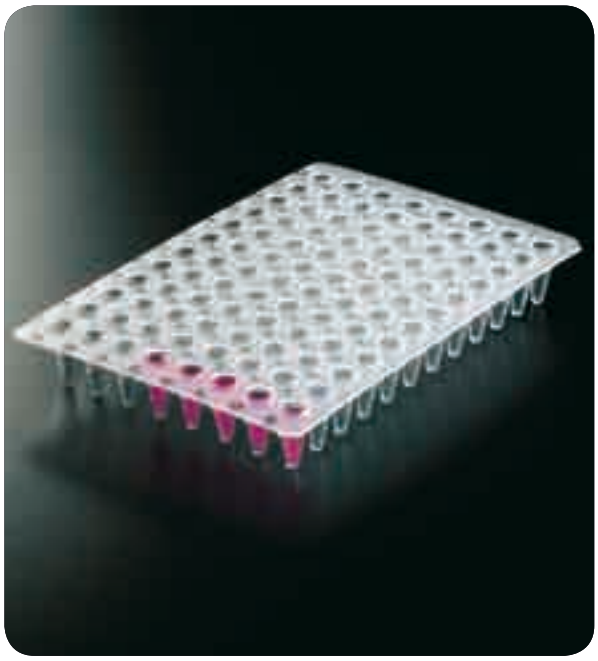




96 well standard plate

Made of transparent polypropylene.
96 wells standard plate with a capacity of 350 µl each well.
A low rim around the top of each well helps to prevent accidental cross-contamination and makes easy the sealing with film.
All wells are thin walled for an excellent thermal transfer.
A black printed alphanumeric grid helps sample identification.
Orientation cut is at position A 12 (upper right).
RNAse, DNAse, DNA and PCR inhibitors free.
Suitable for PCR and real time **PCR (QPCR)**.
Dimensions according to the **SBS** standard.

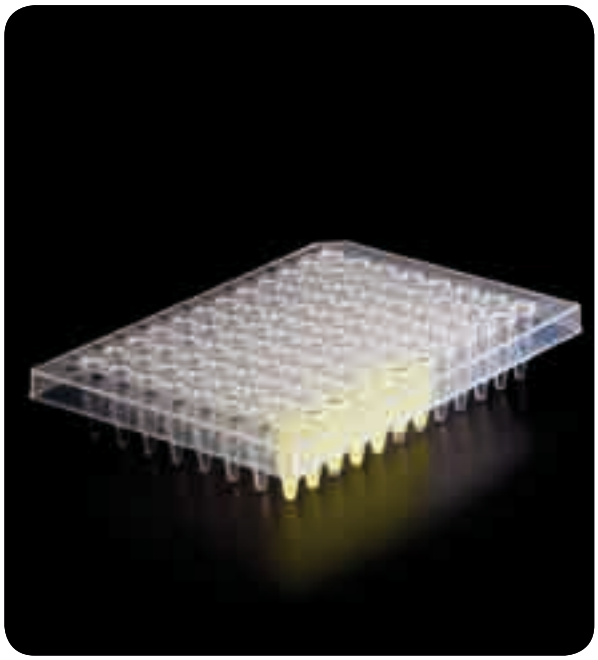
code	colour	case quantity	case weight	case volume
900111	natural	10 x 10	2.72	0.027



96-well low profile PCR plate

Made of transparent polypropylene.
Low profile well (15 mm high).
Perfect to work with samples of 100 µl or even less.
A low rim around the top of each well helps to prevent accidental cross-contamination.
The orientation cut is at position H 12 (lower right).
A printed alphanumeric grid helps sample identification.
DNAse, RNAse, DNA and PCR inhibitors free.
It is suitable for both standard or **Real Time PCR**.
Dimensions according to the **SBS** standard.

code	description	case quantity	case weight	case volume
900110	low profile PCR plate	5 x 20	1.9	0.018



96 well semi-skirt plate

Made of transparent polypropylene.
This plate has a semi skirt ±7.5 mm high.
Each well has a capacity of 200 µl and embodies a low rim around its top which prevents accidental cross-contamination and it makes easy the sealing with foils.
Orientation cut is at position A 12 (upper right).
Alphanumeric identification printed in black.
DNAse, RNAse, DNA and PCR inhibitors free.
Dimensions according to the **SBS** standard.

code	description	case quantity	case weight	case volume
900122	semi-skirt PCR plate	10	0.32	0.003



96 wells low profile, semi-skirted white plate

Specially designed for Roche thermocycler.
Made of white polypropylene. Semi-skirt "*low profile*" 96 well. Each well has a capacity of 200 µl.
A low rim around the top of each well helps to prevent accidental cross-contamination and makes easy the sealing with film.
Orientation cut is at position H 12 (bottom right).
A black printed alphanumeric grid helps sample identification.
RNAse, DNAse, DNA and PCR inhibitors free.
Suitable for **PCR** and **real time PCR**.
Dimensions according to the **SBS** standard.

code	description	case quantity	case weight	case volume
900113B	semi-skirt PCR plate	10 x 10	2.96	0.027



96 well, low profile, semi-skirted plate

Specially designed for ABI "Fast" thermocycler.
Made of transparent polypropylene.
Semi-skirt "low profile" 96 well.
Each well has a capacity of 200 µl.
A low rim around the top of each well helps to prevent accidental cross-contamination.
Orientation cut is at position A 1 (upper left).
A black printed alphanumeric grid helps sample identification.
RNAse, DNAse, DNA and PCR inhibitors free.
Suitable for **PCR** and **real time PCR (QPCR).**
Dimensions according to the **SBS** standard.

code	description	case quantity	case weight	case volume
900112	semi-skirt PCR plate	10 x 10	2.96	0.027



PCR sealing mat

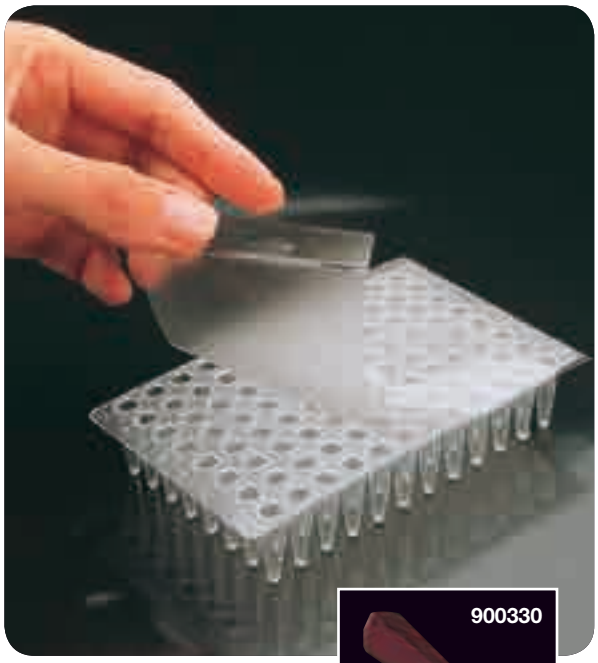
Manufactured from a non reactive rubber, this PCR sealing mat ensures a secure, leak free seal during the PCR cycling process.
It is designed to seal **96 well PCR plates**, but may also be cut to fit 24/32/48 well plates.
The mat is marked "*this side up*" for a proper positioning into the plate (sharp cone side up).
This sealing mat may be sterilised in an **autoclave** or cleaned by immersion in a bleach solution.
DNAse, RNAse, DNA and PCR inhibitors free.

code	description	case quantity	case weight	case volume
900305	PCR sealing mat	10 x 5	1.20	0.012





See page 54



Adhesive sealing film

Sealing film for use with microplates, multiwell plates and microtiter plates.
Advantages:

1. Minimises the risk of contamination or reagent spillage during ELISA or PCR processes.
2. Minimises the risk of contamination from tube to tube and from plate to plate.
3. Prevents sample evaporation.

A 5 mm wide strip (opaque white) at the lateral edges of the film helps pull the film from its protective paper and prevents it sticking onto fingers. The film is thermostable and functional from **–70 °C to 95 °C** at 75% humidity.
RNAse and DNAse free. DMSO resistant.
We recomend to use the "roller" **900330** to ensure a perfect seal.

code	description	case quantity	case weight	case volume
900300	adhesive film	1 x 100	0.23	0.0005
NEW **900301**	adhesive film suitable for QPCR	1 x 100	0.06	0.0004
900330	sealing roller	1	0.01	0.0001





Aluminium sealing foil

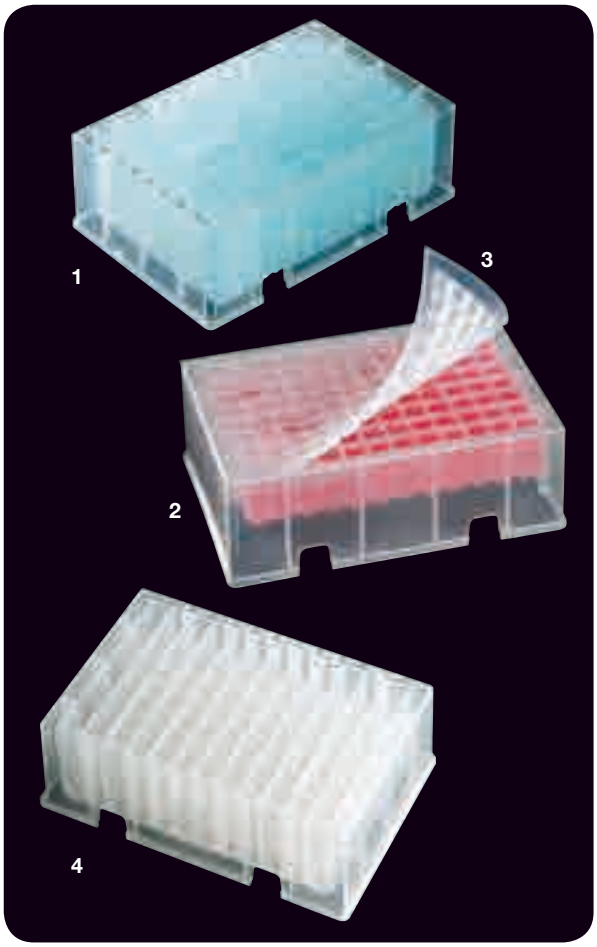
This type of material is ideal for manual sealing during PCR work, microtiter plates or manipulation and file plates.
For high throughput applications from **–80 °C to 120 °C**.
Adhesive backing.
Pierceable with a pipette tip for easy access to sample.
DMSO resistant.
It is recommended to use the "roller" code **900330** for ensuring a perfect sealing, eliminating the danger of evaporation.
RNAsa, DNAsa and DNA free.

code	description	case quantity	case weight	case volume
900320	aluminium foil	1 x 100	0.28	0.0003
900330	sealing roller	1	0.01	0.0001

Deep well plate (96 square wells or 12 rectangular channels)

Made of medical grade polypropylene.
A printed alphanumeric grid helps sample identification, and to facilitate orientation the bottom left corner of the plate is cut away.
Conical bottom wells.
Widely used for liquid handling and storage, whether with manual pipetting or robotic handling.
Withstand temperatures from **–90 ºC to 121 ºC** (**Autoclave**).
Dimensions according to SBS.
Certified free from detectable RNase, DNase, DNA and PCR inhibitors.
Codes **900195** and **900196** are supplied in 2 bags of 5 units each.
Code **900309** is a sealing mat manufactured from autoclavable silicone. Exclusive use with the square well plates (**900195** and **900196**).
Pierceable so the sample can be aspirated without removing the mat.
Supplied in a bag of 5 units.
Code **900197** proves to be extremely convenient as a reservoir thanks to its 12 high volume channels. Supplied in a bag of 5 units.

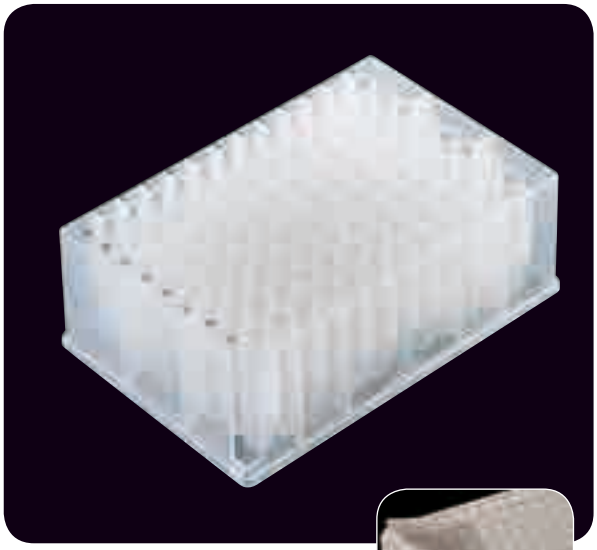
mod.	code	description	case quantity	case weight	case volume
1	**900195**	96 well plate 2.2 ml	2 x 5	0,90	0.007
2	**900196**	96 well plate 1.1 ml	2 x 5	0.90	0.010
3	**900309**	sealing mat for 96 squared wells	1 x 5	0.16	0.001
4	**900197**	12 channel plate 22 ml	1 x 5	0.46	0.005



96 deep well plate (96 round wells)

Made of medical grade polypropylene, it is comprised of 96 round bottom wells, each one of 1.2 ml capacity. Printed alphanumeric grid helps sample identification, and to facilitate orientation the bottom right corner of the plate is cut away.
Widely used for liquid handling and storage, whether with manual pipetting or robotic handling.
It withstands temperatures from **–90 ºC to 121 ºC** (**autoclave**).
Dimensions according to SBS.
Certified free from detectable RNase, DNase, DNA and PCR inhibitors.
It can be sealed with the plastic sealing film **900300** or the pierceable aluminum foil **900320**.

code	description	case quantity	case weight	case volume
900155	96 well plate 1.2 ml	10	1.41	0.009



96 deep well plate (square well, round bottom)

Made of polypropylene. The 2.1 ml well capacity (2.0 when capped) plate is used mainly for compound storage and enzyme assays. An alphanumeric grid helps sample identification, and to facilitate orientation the bottom right corner of the plate is cut away.
DMSO resistant. Can be centrifuged up to **6000 xg**.
Withstand temperatures up to **–150 ºC**. **Autoclavable**.
Each well measures 8.3 x 8.3 mm.
Plate dimensions: 41.6 mm high x 127.8 mm long x 85.5 mm wide.
We recommend to protect the samples with the sealing mat code **900306** (DMSO resistant).

code	description	case quantity	case weight	case volume
900170	96 deep well plate, natural colour	4	0.47	0.002
900306	sealing mat	24	3.60	0.002





Sample storage system

96 round bottom tubes, supplied in twelve strips of eight tubes each, held in a rack with lid. Rack, lid, tubes and caps are made of **autoclavable** polypropylene, manufactured with the **SBS** standard footprint.
Compatible with all robotic applications and multichannel pipetting systems.
Alphanumeric numbered wells, indelibly printed in black, allowing identification in short light conditions. **DNAse, RNAse, DNA and PCR inhibitors free**.
Used for serial dilutions, mixing, storage and harvesting of cells, cell growth for cell culture assays and DNA screening, and as an ideal long-term storage system.
Caps are sold separately in strips of eight units; every cap has a tag to make an easy opening and closing.
Tube dimensions (height): 8 x 44 mm
Rack dimensions (with lid): 128 x 86 x 48 mm

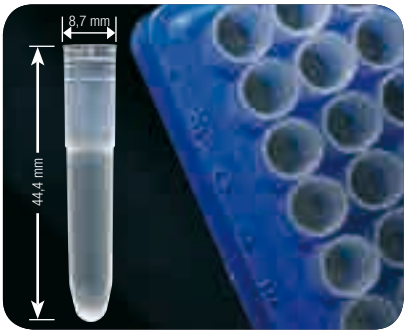
code	description	case quantity	case weight	case volume
409009	rack with 96 tubes (8 x 12)	10	1.63	0.010
409010	strips of 8 tubes each	125 strips	0.27	0.007
409011	strips of 8 caps each	125 strips	0.11	0.012
409012	loose tubes	1,000	0.63	0.005



Sample storage system

Compact sample storing system. It consists on a blue rack with a translucent lid, holding 96 loose round bottom tubes (1,2 ml) arranged in 8 x 12. Robotics suitable version (**RC845TP**). **Autoclavable** and stackable, it resists up to **–100 ºC**, and embodies a moulded alphanumeric identification.
Rack, lid and tubes made of polypropylene. Caps made of low density polyethylene.
Caps are sold apart in strips of eight units; every cap has a tag to make an easy opening and closing.
Tube dimensions (height, closed): 8,8 x 45 mm.
Rack dimensions (with lid): 118 x 82 x 50 mm.
DNAse, RNAse free.

mod.	code	description	case quantity	case weight	case volume
1	**409008**	rack with 96 tubes (8 x 12)	10	1.40	0.007
2	**RC845TP**	rack with 96 tubes for robotics	10	1.14	0.010
	409005	strips of 8 caps each	120 strips	0.16	0.002
	409008.1	tubes in bulk	1,000	0.60	0.004





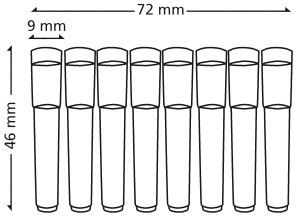


Sample storage system

It consists on a white rack and a transparent lid, with 96 tubes (12 x 8) 1.2 ml (capped, 1.1 ml).
Tubes and rack are manufactured in polypropylene, being autoclavable.
Caps in non **autoclavable** polyethylene.
Caps are acquired apart, in strips on eight units.
It is ideal to work with robots and multichannel pipetting systems, as well as for sample transport, storage, or freezing (it can withstand up to **–80 ºC**).
It stands up the majority of chemical agents.
Both lid and rack embody an alphanumeric identification.
The top left edge of the lid is cut for an exact orientation.
Tube dimensions (capped): 9 x 48 mm.
Rack dimensions (with lid): 126 x 81 x 53 mm.

According to **SBS** standard.

code	description	case quantity	case weight	case volume
409004	rack with 96 tubes (8 x 12)	10	1.80	0.009
408002	tubes of 8 caps each	120 strips	0.73	0.005
408005	strips of 8 caps each	120 strips	0.09	0.001
408003	loose tubes	5 x 960	3.88	0.028



Storage rack with 2 ml tubes

Compatible with most robotic Workstation, this polypropylene storage rack can be used with most cell harvesters and multichanel pipettors.
It contains 96 removable polypropylene square tubes in a 8 x 12 configuration, each having a 2.1 ml capacity.
Although the tubes are square, the bottom is round to facilitate emptying.
Tubes and rack are **autoclavable** and they are ideal for storage of blood and other biological samples at temperatures from **–30°C up to 70°C**.

Racks are stackable to save storage space.
According to **SBS** standard.

code	description	case quantity	case weight	case volume
418003	96 well storage rack with tubes	10	1.81	0.012







Expiry date our tubes, anticoagulants and other

- Serum tubes (granules and gel):..... 24 months
- Serotub with granules and preservative:: ..... 12 months
- Lithium heparin::..... 24 months
- Iodoacetate heparin:..... 13 months
- Edta: ..... 24 months
- Citrate for coagulation: ..... 15 months
- Anticoagulants in containers: ..... 24 months
- Thrombocyte count and osmotic brittleness: ..... 24 months
- Reticulocyte vital staining:..... 24 months

Procedures and controls

During the manufacturing process a lot of controls and guides are used, insisting on:

- Reproducibility dosing control
- Quantity and quality dosing control **(weight scale accuracy and flame photometer)**
- Watertightness control **(vacuum)**
- Resistance control **(centrifugation)**

Each case includes a brochure with recommendations of use.

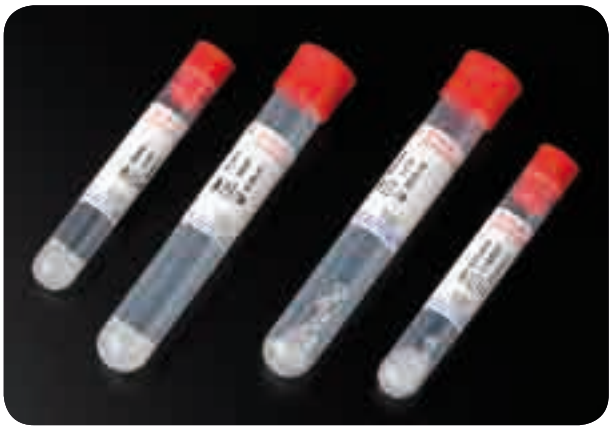
100% Traceability

Our blood collection tubes are individually identified with its code, LOT number and expiry date, so the traceability from its manufacture to the final consumer is guaranteed.

Raw materials traceability.
Process traceability.
Final product traceability.

We manufacture our blood collection tubes by following:

- Directive **98/79/EC** "In vitro" diagnostic medical devices.
- **ISO 6710** Single use containers for blood collection
- **UNE-EN ISO 14971** for the Risks Management of Sanitary Products
- **UNE-EN ISO 15223-1** Labelling simbols
- **UNE-EN ISO 13485**, medical devices - quality management systems





Silicone tourniquet

0.8 thick and 19 mm wide. Non toxic, USP, Class VI, silicone.
Autoclavable.

code	description	quantity	weight	volume
GS-01	roll of 50 meters	1 x 50	0.89	0.003
GS-02	box with 10 bands 0.5 m long each	1	0.11	0.001



www.laboquimia.es

deltalab

Glucose solution for oral administration



Glucose solutions for oral administration, intended for testing diagnostic tests related to glucose metabolism.
For diagnostic: Test of Glucose Tolerance in the evaluation of mellitus diabetes and related diseases.
Glucose solutions are ready for use, ans they are specially designed as a safe and economical product that allows overhead standardize testing in studies of glucose metabolism.
Its formulation and organoleptic characteristics (pleasant orange or lemon flavor) gives them an excellent acceptance and tolerance by the patient ingesting even fasting, avoiding the frequent cases of vomiting caused by conventional preparations.

code	presentation	case quantity	case weight	case volume
986517	Glucorange 75/200	48	13,40	0,029
986524	Glucolemon 75/200	48	13,40	0,029

Serum glucose serotub



Made of a clear polypropylene, supplied capped and labeled with an inert polyethylene cap.
To permit a fast serum separation of the blood clot, the tubes have an inert additive inside which speeds up the coagulation. This accelerator allows a mixture with the blood almost immediate and avoids the unnecessary sample dilution.
The coagulation speed is much higher than the obtained with the glass tubes or the other existing tubes on the market.
The inert **granules are rounded** to avoid erythrocytes lesions during centrifugation and minimize the risk of haemolysis. These granules are located between the clot and the separated serum working as a retaining wall. It assures a comfortable pipette action or serum decanting. (It isn't a watertight barrier). Inside the tube there is also a little amount of a glucose preservative, lithium iodoacetat, which maintains the sample stable up to 6 days and allows to make most of the biochemical measurements with an only tube (the exceptions are CPK and Lithium); so it's possible to save one of the two tubes used normally to determine routine tests and glucose respectively.
With the ergonomic features of the cap the design achieves a high reliability without avoiding the main characteristic of the cap: it's very easy to use.
On the label of each tube the lot number, expiry date and volume are printed.
Presentation: packed in black bags in order to maintain them out of the light because the iodum is photosensitive.
Keep these tubes at a room temperature.
Supplied in plastic racks.

code	description	case quantity	case weight	case volume	pallet quantity
600602	13 x 75 for 4 ml blood	12 x 100	4,92	0.033	42

Ask for minimum quantity and delivery time for tube 16 x 100, 10 ml blood.

CE IVD

Citrate for coagulation



Made of clear polypropylene, supplied capped and labeled.
Our sodium citrate, 3.8% or 3.2% concentration, buffered and sterile has a ratio citrate: blood 1:9 and is highly recommended for coagulation tests. Buffered to pH.
According to the prevailing rules, this liquid anticoagulant permits to determine the prothrombin time (Quick) **up to 12 hours after sample collection.**
The cap is not only easy-to-use but also assures a watertight closing; allowing a comfortable and reliable capping.
A volume indication mark, lot number and expiry date on the label of each tube, allows to assure the traceability of the product.
Tubes are supplied in plastic racks.

code	type of coagulant	description	case quantity	case weight	case volume	pallet quantity
601102	buffered to 3.8%	13 x 75 round for 4 ml blood	12 x 100	5.30	0.033	42
601103	buffered to 3.8%	13 x 75 round for 2.5 ml blood	12 x 100	5.30	0.033	42
601203	buffered to 3.2%	13 x 75 round for 2.5 ml blood	12 x 100	5.30	0.033	42

CE IVD



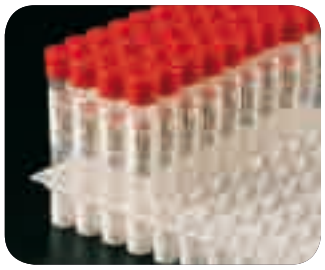
Serum tubes with clot accelerator and gel serum separator

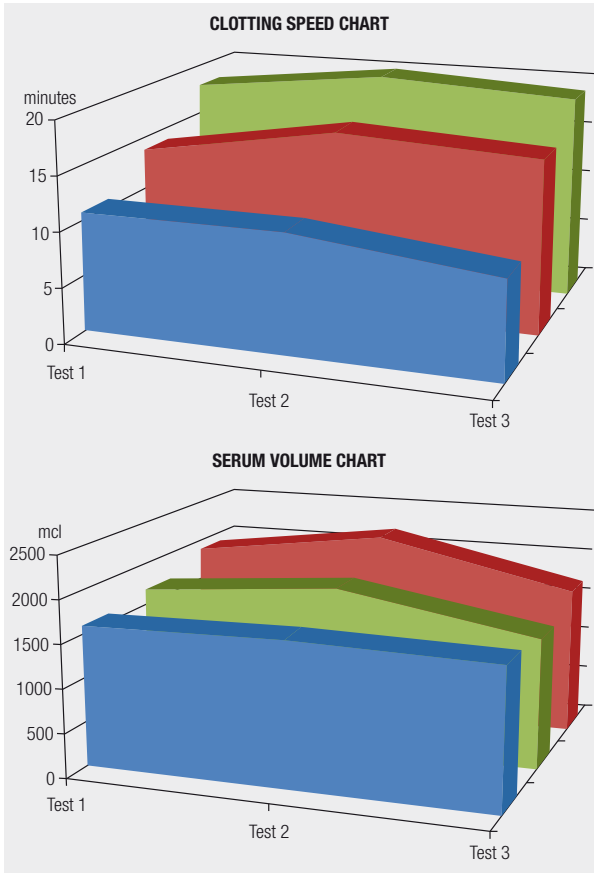
Made of a clear polypropylene, supplied capped and labelled with an inert polyethylene cap.
The tubes are designed and processed to permit a fast serum and blood clot separation. Each tube contains a special inert additive which accelerates the coagulation, and the result is a **fast clot retraction.**
The coagulation speed is, doubtlessly, much higher than the obtained with the glass tubes or the other existing tubes on the market.
The inert gel is located, after centrifugation, between the clot and the obtained serum and it works as a totally watertight barrier.
The ergonomic features of the cap design results in a very reliable and easy-to-use cap.

On the label of each tube the lot number, expiry date and volume are printed.

Supplied in plastic racks.
We strongly recommend its usage for biochemistry, routine tests, special biochemistry, markers, hormones, immunology (tube without anticoagulants).
Expiry time in 24 months.

code	description	case quantity	case weight	case volume	pallet quantity
600801	13 x 75 round for 4 ml	12 x 100	5.40	0.030	48
600800	16 x 100 round for 9 ml	6 x 120	6.00	0.040	36





Serum tubes with clot accelerator and gel serum separation

Clotting speed increased: with our the tubes processed with gel serum separator and accelerator we improve the clotting speed achieving a 20-25% advantage over glass tubes.
The serum is obtained after 15 minutes, depending on the particular working conditions.

Serum volume increased: The volume obtained is higher than the obtained with granules tubes or glass tubes, achieving an advantage around 20%. The gel serum separator tube is the preferred option when analysis requires maximum serum yield from the blood sample.

Recommended in case the objective is to obtain larger serum volume.

Note: Before using, the gel serum separator remains at the bottom, even when the tube is bent.

Glass tube | **Gel + accelerator** | Granules + Accelerator

www.laboquimia.es

Serum tubes with clot accelerator and granule serum separator

Made of a clear polypropylene, supplied capped and labeled with an inert polyethylene cap.
The tubes are designed and processed to permit a **fast serum and blood clot separation.**
Each tube contains a special inert additive which accelerates the coagulation, and the result is a fast clot retraction. The coagulation speed is much higher than the obtained with the glass tubes or the other existing tubes on the market.
Allows the obtention of serum in 12 min.
The inert **granules are rounded** to avoid cellular lesions during centrifugation and minimize the risk of haemolysis. These granules are located between the clot and the separated serum working as a retaining wall. It assures a comfortable pipette action or serum decanting.(It isn't a watertight barrier).
The ergonomic features of the cap design results in a very reliable and easy-to-use cap.
On the label of each tube the lot number, expiry date and volume are printed.
Expiry time in 24 months.



code	description	case quantity	case weight	case volume	pallet quantity
600400	13 x 75 round for 4 ml	2 x 1,000	7.90	0.045	32
600300	16 x 100 round for 9 ml	2 x 500	6.10	0.045	32
707094*	bottle of 750 g with separator granules	20	17.50	0.045	40

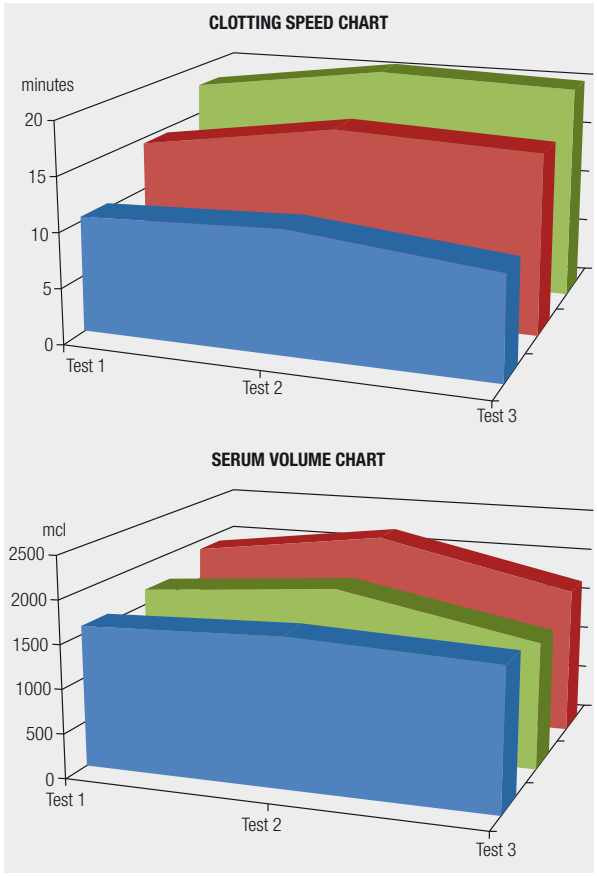
* Product without CE mark

Serum tubes with clot accelerator and granules

Clotting speed increased: with our the tubes processed with granules and accelerator we achieve a clotting speed higher than the obtained not only with glass tubes but also with gel tubes. The advantage achieved is around 40-50% over glass tubes.
Serum can be obtained starting from 12 minutes, depending on working conditions.

Serum volume increased: The volume obtained is a little higher than the obtained with glass tubes but fewer than the obtained with gel serum separator tubes.

Due to its effectiveness and low price this product is highly recommendable for all routine serum tests.



Glass tube Gel + accelerator **Granules + Accelerator**



Lithium heparin tubes

Made of a clear polypropylene, supplied capped and labeled, indicating **filling line, lot number, and expiry date.**
The anticoagulant pulverization inside the tube optimizes the mixture and avoids the unnecessary blood dilution.
The anticoagulant mechanism is the inhibition of the thrombin action.
Supplied in plastic racks.
Type of coagulant: **spray**.
Expiry time in 24 months.

code	description	case quantity	case weight	case volume	pallet quantity
601802	13 x 75 round for 4 ml blood	12 x 100	4.10	0.033	42
601803	13 x 75 round for 2.5 ml blood	12 x 100	4.10	0.033	42
601810	16 x 100 round for 10 ml blood	6 x 120	4.46	0.038	30



Iodoacetate lithium + heparin lithium tubes

Made of a clear polypropylene, supplied capped and labeled. On the label of each tube a fill line indicates the level of blood required, as well is printed **the lot number and expiry date.**
The anticoagulant and preservative pulverization inside the tube optimizes the mixture and avoids the unnecessary blood dilution.
The blend anticoagulant-glucose preservative is ideal for biochemical tests, so it's possible to determine most of the biochemical parameters with only one tube and preserve the product stable for 4 days. It is recommended to maintain the tubes in a dark and cool place (at room temperature).
The tubes are packed in black bags in order to maintain them out of the light because the iodum is photosensitive.
Supplied in plastic racks.
Type of coagulant: **liquid**.
Expiry time in 24 months.

code	description	case quantity	case weight	case volume	pallet quantity
602002	13 x 75 round for 4 ml blood	12 x 100	4.40	0.033	42
602003	13 x 75 round for 2.5 ml blood	12 x 100	4.30	0.033	42

Edta: tripotassium

Made of clear polypropylene, supplied capped and labeled.
Tetraceticetilendiamin acid, a tripotassium salt, works as an anticoagulant thanks to its capacity to fix the blood calcium. Because the anticoagulant is pulverized, it allows a mixture with the blood almost immediate.
The quantity of additive is very small so there are no dilution mistakes (this may occur in the tubes with big additive liquid solution volumes). There is no risk of anticoagulant loss when uncapping because it is adhered to the tube walls.
The cap shape, both internal and external design, assures a comfortable and reliable capping.
A volume indication mark, lot number and expiry date on the label of each tube, allows to assure the traceability of the product.
Supplied in plastic racks. Type of coagulant: **spray**.
Expiry time in 24 months.

code	description	case quantity	case weight	case volume	pallet quantity
601613	15 x 50 flat for 2.5 ml blood	10 x 120	4.50	0.035	36
601603	13 x 75 round for 2.5 ml blood	12 x 100	4.10	0.033	42
601702	13 x 75 round for 4 ml blood	12 x 100	4.14	0.033	42



Edta: tripotassium. Rubber cap

Tubes made of clear polypropylene, supplied capped and labeled. Mauve, pierceable (but not pierced) and plugged cap made of thermoplastic rubber.
Suitable for hematological automatic machines.
The label indicates **code, volume, lot number and expiry date**, assuring total traceability.
Tubes supplied in trays of 100 units.
Type of coagulant: **liquid**.
Expiry time in 24 months.

	code	description	case quantity	case weight	case volume	pallet quantity
1	**611604**	13 x 80 for 3 ml blood	8 x 100	3.00	0.030	50
2	**611603**	13 x 75 for 3 ml blood	20 x 50	4,43	0,034	36





Blood-plasma. Edta tubes: dipotassium

Made of clear polypropylene, supplied capped and labelled.
Tetraaceticetilendiamin acid, a dipotassium salt, works as an anticoagulant thanks to its capacity to fix the blood calcium. Because the anticoagulant is pulverized, it allows a mixture with the blood almost immediate. The quantity of additive is very small so there are no dilution mistakes (this may occur in the tubes with big additive liquid solution volumes). There is no risk of anticoagulant loss when uncapping because it is adhered to the tube walls. The cap shape, both internal and external shape, assures a comfortable and reliable capping. **A volume indication mark, lot number and expiry date on the label of each tube, allows to assure the traceability of the product.** Supplied in plastic racks. Type of coagulant: **spray**. Expiry time in 24 months.

code	description	case quantity	case weight	case volume	pallet quantity
601402	13 x 75 round for 4 ml blood	12 x 100	4.10	0.033	42
601403	13 x 75 round for 2.5 ml blood	12 x 100	3.90	0.033	42
601412	15 x 50 flat for 4 ml blood	10 x 120	4.98	0.033	36
601413	15 x 50 flat for 2.5 ml blood	10 x 120	4.26	0.033	36

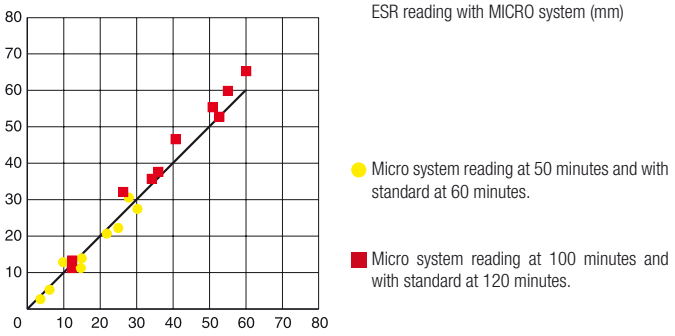








Comparation of the ESR reading obtained with the Micro system and standard type



E.S.R. citrate tube

Capped and labeled transparent polypropylene tubes.
Filled with 3.8% sodium citrate (anticoagulant).
The citrate: blood ratio (according to the Westergren method) is 1:4, so the tubes contain 0.4 ml of stable 3.8% sodium citrate solution.
The printed fill line indicates 2.0 ml so 1.6 ml of blood will be added.
The cap design results in a comfortable and reliable handling, specially because it is possible working with gloves without slipping.
Volume fill line, expiry date and batch number are printed on the label; so the product traceability is guaranteed.
Supplied in 100 units plastic racks.
Expiry time in 15 months.

code	description	case quantity	case weight	case volume
601006	round tube 13 x 75 mm for 2 ml (1.6 ml of blood)	12 x 100	4.87	0.033

Pallet quantity: 42 cases.

Sedirate micro system

System for the determination of the erythrocyte sedimentation rate. Specially recommended for **Paediatrics**. The system consists of a tube and a pipette. The tube includes a pierceable and re-sealable stopper. Filled with 0.08 ml of trisodic citrate 0.106 M for 0.32 ml of blood according to standards of Westergren standard method.The pipette of pressure filling has an inner diameter of 1.25 mm and is graduated. Once blood and citrate are mixed together, introduce the pipette into the tube (without removing the stopper). The blood will automatically reach the 0 level. The results obtained are comparable to those obtained with the standard method (macro).
Expiry time in 12 months.

code	description	case quantity	case weight	case volume
27	set pipette + tube	400	3.28	0.029

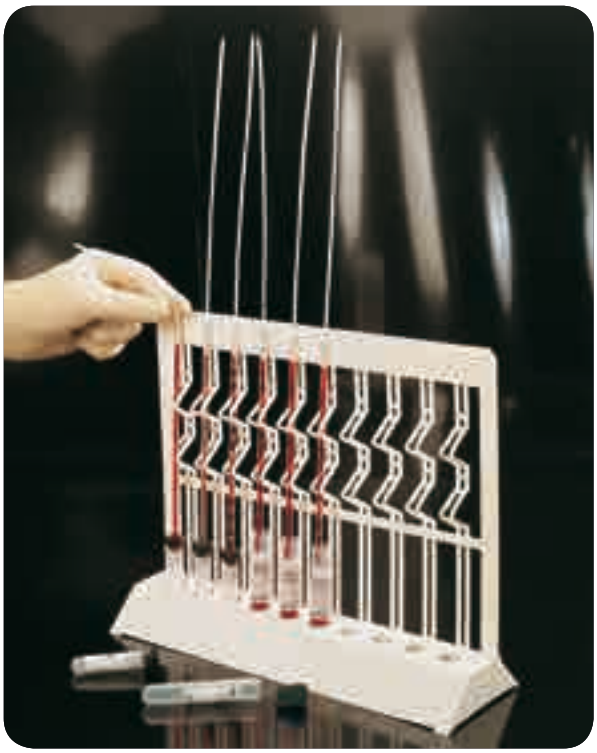
www.laboquimia.es

E.S.R. semi micro system TAKIVES with self-levelling system

Pipette graduated from 0 to 160 mm, with a total length of 200 mm and an inner diameter of 2.5 mm, according to the Westergren Method.
The **system accepts a total volume of 1 ml.**
The plunger must be drawn up manually up to a limit inside the pipette to ensure an adequate volume of blood-citrate blend.
Two tubes available, both made of high transparency polypropylene:
Code **1164**: for 1 ml of total volume (0.75 ml of blood); with a pierceable rubber cap that allows inserting the pipette without taking off the cap. Expiry time in 15 months.
Code **601006**: for 2 ml of total volume (1.6 ml of blood); with a polyethylene cap that shall be taken off before inserting the pipette. Expiry time in 15 months.

code	description	case quantity	case weight	case volume
1360	graduated pipette	2 x 500	3.35	0.008
1361*	stand for 10 pipettes	5	3.20	0.020
601006	tube 13 x 75 mm with sterile citrate for 2 ml (1.6 ml of blood)	12 x 100	4.87	0.033
1164	tube 12 x 55 mm with citrate with pierceable cap	10 x 100	3.02	0.020

* Product without CE mark



E.S.R. with self-levelling system

Consists of a polystyrene pipette with self-filling system using a plunger suitable for 12 mm or 13 mm Ø tubes.
Graduated from 0 to 180 mm. 1.25 ml blood-citrate mixture is enough for determination.
Westergren method.
Expiry time in 15 months.

code	description	case quantity	case weight	case volume
29	E.S.R. pipette, 230 mm long graduated up to 180 mm	3 x 200	2.60	0.027
601006	tube 13 x 75 mm with sterile citrate for 2 ml (1.6 ml of blood)	12 x 100	4.87	0.033



E.S.R. system, EUROTUBO®

The E.S.R. system consists of a holder and a set of pipettes with a polyethylene filter.
Pipettes may be filled using an automatic suction pump, a pippetting bulb or pump, or a hand hold pippeter (both manual or electronic).
The holder accommodates up to 10 pipettes. Plastic pipettes are graduated up to 180 mm. Tubes are filled with sterile citrate (0.106 M).
Westergren method.
The code **601006** has a expiry time in 15 months.

code	description	case quantity	case weight	case volume
1361*	holder to 10 places	5	3.20	0.020
601006	tube 13 x 75 mm with sterile citrate for 2 ml (1.6 ml of blood)	12 x 100	4.87	0.033

* Product without CE mark







Mailing container

Mailing container with safety screw blue cap, both manufactured in polyethylene.
Leak proof.
Dimensions uncapped 117 x 30 mm. Ideal for 10 ml tubes.
The tube includes a piece of absorbent paper to prevent any leakage.
Container and cap are sold separately.
External mouth diametre 24,5 mm, internal: 21 mm.

code	description	case quantity	case weight	case volume
401301	mailing container	500	7.70	0.090
401302	screw cap	500	1.90	0.095

Blood group test plate

Made of ultra clear polystyrene.
Features 10 numbered wells.
Stackable.
Dimensions: 160 x 40 x 6 mm.
Each case contains 50 bags of 10 units each.

code	description	case quantity	case weight	case volume
128030	blood group plate	25 x 10	3.70	0.014

www.laboquimia.es



Blood collection tubes with pierceable and re-sealable rubber caps

Manufactured from transparent polypropylene. Robust and resistant to breakage. Tubes feature a unique flexible rubber cap which has two cross cuts and is specially designed to reseal automatically after introduction or withdrawal of the sample. This system eliminates the need to remove the stopper when introducing or withdrawing blood samples. Tubes can be used with most manual, semi-automatic and automatic blood sampling machines, and are suitable for transportation by intra hospital pneumatic systems.

Blood collection tubes

code	type	description	expiration months	case quantity	case weight	case volume
620400	serum separator	13 x 80 with granules for 4 ml	36	8 x 100	3.20	0.030
621611	edta tripotassium	16 x 55 skirted for 2.0 ml	24	10 x 100	3.50	0.034
621613	edta tripotassium	13 x 80 for 2.5 ml	24	8 x 100	2.98	0.031
621102	citrate for coagulation	12 x 70 for 2 ml	15	8 x 100	2.40	0.030

Pallet quantity: 50 cases.

CE IVD



Special pediatrics

code	type	description	expiration months	case quantity	case weight	case volume
620200	serum separator	12 x 55 with granules for 2 ml	36	10 x 100	3.10	0.023
621610	edta tripotassium	12 x 55 for 1 ml	18	10 x 100	2.82	0.024
621101	citrate for coagulation	12 x 55 for 1 ml	15	10 x 100	2.84	0.024

Pallet quantity: 50 cases.

CE IVD

See speed sedimentation citrate for pediatrics in the page 74



Centrifugation guidelines

PROBLEM		POSSIBLE CAUSES	REASON FOR MISUSE	SOLUTION
The barrier is not clearly defined	**Poor or incomplete serum separation. Barrier is intact and well defined**	Incomplete or inhibited coagulation. Non-homogeneous blend of blood and coagulant	The tube was not inverted for 5 times	After tube is filled with blood and capped, gently invert the tube for 5 times
		Early centrifugation, insufficie nt allowance coagulation time prior to centrifugation	The recommended 30 min. standing time for coagulation was not observed	Wait for 30 min before centrifugation
		Centrifugation xg-setting under appropriate value	The tube was not centrifuged at or above the minimum, appropriate xg-setting	a) Set the centrifuge between 1,000-1,500 xg b) Confirm centrifuge is correctly calibrated
	Barrier is skewed and poorly formed, separation is incomplete	Less centrifugation time than recommended	The tube was not centrifuged for the required time	Centrifuge the tube at the appropriate xg-force for at least 10 min
		Refrigerated centrifuge	The temperature of the centrifuge was lower than the recommended	a) Keep the centrifuge at a temperature between 24 ºC and 26 ºC (around 77 ºF). b) Thermally insulate the tube and avoid contact with the centrifuge and centrifuge rotor
Blood tubes fracture during centrifugation		xg-force centrifugation exceeded the tube construction	The tube was subjected to xg-forces exceeding 1,500 xg	Maintain centrifuge at or below 1,500 xg
		Centrifuge not positioned level and/ or foreign matter or debris inside the rotor of the centrifuge	a) Shock absorbers or tube stand-off cushions absent. b) The inside of the rotor is not clean	Install shock absorbers or tube stand-off cushions as required. Remove any foreign agent or debris that may be inside the centrifuge
Cell clumps observed within the separation barrier		Incomplete or inhibited coagulation. Non-homogeneous blend of blood and coagulant	The tube was not inverted for 5 times	Invert the tube for 5 times
		Insufficient time before centrifugation	The recommended 30 min standing time for coagulation was not observed	Wait for 30 minutes before centrifugation
		Excessive xg-force centrifugation	The tube was centrifuged at above 1,500 xg	Set the centrifuge at a speed below 1,500 xg
Presence of fibrin in serum		Incomplete or inhibited coagulation. Non-homogeneous blend of blood and coagulant	The tube was not inverted for 5 times	Invert the tube for 5 times
		Early centrifugation, insufficient allowance coagulation time prior to centrifugation	The recommended 30 min standing time for coagulation was not observed	Wait for 30 minutes before centrifugation
Abnormal assay results		Poor serum quality due to haemolysis	Blood subject to aggressive agitation or rough handling	Handle tube with moderation. Invert gently. Never shake severely or agitate the tube
		Excessive xg-force centrifugation	The tube was centrifuged above 1,500 xg	Set the centrifuge to a maximum of 1,500 xg xg-force

Anticoagulants and preservatives in containers

Available in bottles of 15 ml.
The dosage of one drop (15 ml = 300 drops) is enough for 5 ml of blood.
Both products have preservatives for stability.
Code **705000** composition: lithium heparin, phenylmercury acetate and distilled water. Prepared according ISO 6710. Heparin concentration between 12 and 30 µl for each ml of blood.
Expiry date in 24 months.

code	description	case quantity
705000	lithium heparin 15 ml	10



Special techniques

Liquid for thrombocyte count determination:
Due to its optical characteristics it identifies the thrombocyte avoiding confusion with other cells. This reagent also prevents adhesion and aggregation of the thrombocytes.
Full instructions are included with the kit.

Test of osmotic brittleness of the erythrocytes:
The test for the erythrocyte osmotic fragility detects the resistance of these cells to haemolysis, in hypotonical solutions with decreasing concentration of sodium chloride.
This set contains 2 complete tests and each one is composed of 12 tubes with stable and buffered solutions. Full instructions are included in the kit.

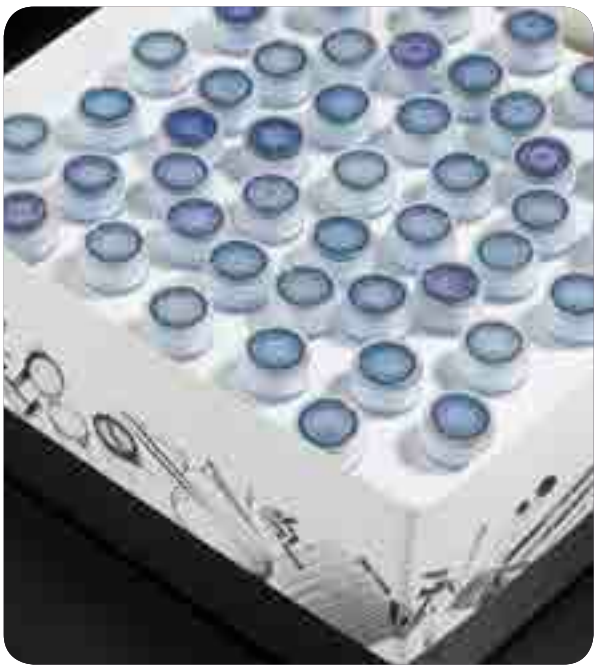


code	description	case quantity	case weight	case volume
800000	thrombocyte counting kit 1 x 50 tubes	30 kits	5.50	0.045
802000	osmotic brittleness of erythrocytes kit 2 x 12 plus 2 lithium heparine tubes	30 kits	7.50	0.045

Minimum order quantity: 1 kit.

Reticulocyte staining kit

This simple to use kit consists of a tube containing 100 µl of stable buffered bright cresil blue stain which allows the determination of the erythrocyte count.
Two to three drops of blood are added directly to the tube and incubated for 10 minutes at room temperature.
The erythrocytes become a pale blue colour making them easy to identify.
Full instructions are included with the kit.
Tube made of polypropylene and cap of polyethylene.



code	description	case quantity	case weight	case volume
801000	reticulocyte count kit (1 x 50 tubes)	30 kits	5.50	0.046

Minimum order quantity: 1 kit.



Haematological stains

code	description	case quantity	case weight	case volume
808000	Eosin, solution, May Grunwald, 250 ml bottle Danger symbols: H225, H331, H311, H301, H370	16	4.80	0.015
808001	Eosin, solution, May Grunwald, 1000 ml bottle Danger symbols: H225, H331, H311, H301, H370	12	13.00	0.045
808100	Eosin, solution modified Giemsa, 250 ml bottle Danger symbols: H225, H331, H311, H301, H370	16	5.15	0.015
808101	Eosin, solution modified Giemsa, 1000 ml bottle Danger symbols: H225, H331, H311, H301, H370	12	13.00	0.045
808200	Eosin, solution Wright, 250 ml bottle Danger symbols: H225, H331, H311, H301, H370	16	4.43	0.015
805013	fast stain for blood extensions, 250 ml containers, **Kit** with 2 containers A and 2 containers stain B	12 Kits	14.95	0.045

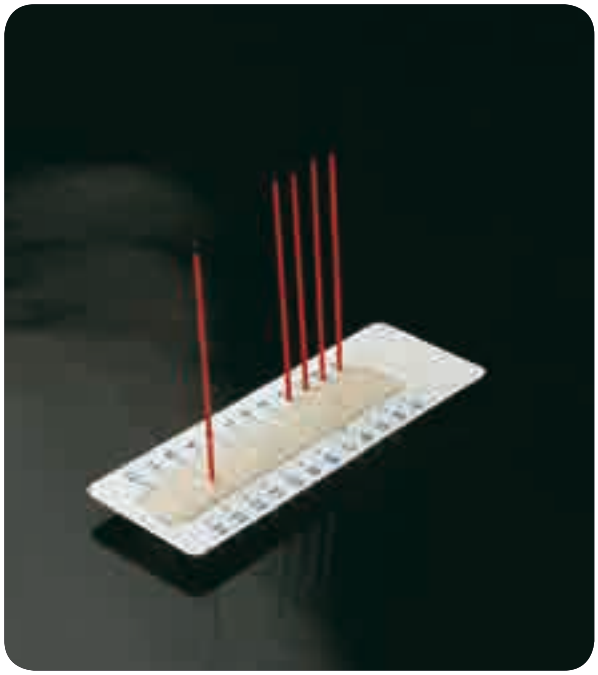
Please see more information (page 99 about these stains at Chapter 4. **Histology, Microscopy and Staining**.



Microhaematocrit capillary tubes

Soda neutral glass tubes with a colour-coded print for an easier identification, with sodium heparin (red) or without heparin (blue).
Supplied inside a glass tube with a plastic cap, specifying code, lot and expiry date.
Two lengths available: 70 or 75 mm (± 0,5 mm).
They meet ISO 12772.

code	description	external diameter	volume µl	case quantity	case weight	case volume
7301	75 mm with heparin	1.4-1.7	75	10 x 100	0.36	0.0006
7311	75 mm without heparin	1.4-1.7	75	10 x 100	0.36	0.0006
7401	70 mm with heparin	1.5-1.6	70	10 x 100	0.36	0.0006
7411	70 mm without heparin	1.5-1.6	70	10 x 100	0.36	0.0006



Capillary tubes sealing wax

Vinyl plastic wax, in a numbered (from 1 to 24) plastic holder.
Suitable for all capillary tubes, specially for those that have to be centrifuged, like micro-haematocrit capillary tubes.
Must be preserved in temperatures from 8 ºC to 30 ºC.

code	description	case quantity	case weight	case volume
7600	sealing wax	3	0.07	0.0002

www.laboquimia.es

Spectrophotometer cuvettes

Disposable cuvettes suitable for most of the open spectrophotometers. Homogeneous measures, specially of the surface crossed by the light beam, assuring an optimum transmission level on the whole visible spectral.

The material used avoids any possible measurement interference. Due to the strict quality control during the manufacture process, a high reliability is assured. The maximum absorption variations are ± 1%.
The two sides not crossed by the light beam are ribbed to an easy identification of the cuvette position inside the spectrophotometer measurement chamber, resulting in an easy positioning and removal.

They are supplied in a dust proof, expandable polystyrene box (100 units per box) with lid.

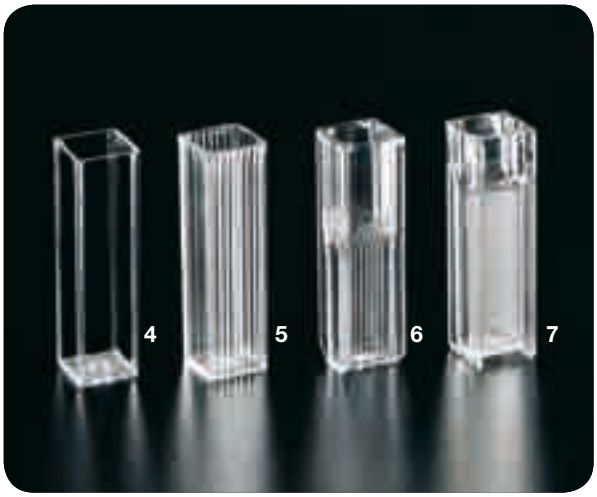
Dimensions: 12.55 x 12.65 x 44.55 mm (± 0,1 mm).
Light path: 10 mm.



Standard cuvettes

Made of polystyrene for assays in the visible spectral range (340 to 800).

	code	description	case quantity	case weight	case volume
1	**302000**	4.5 ml macro	5 x 100	1.60	0.020
2	**302100**	1.5 ml micro	5 x 100	1.60	0.018
3	**302400**	2.5 ml semimicro	5 x 100	1.40	0.018

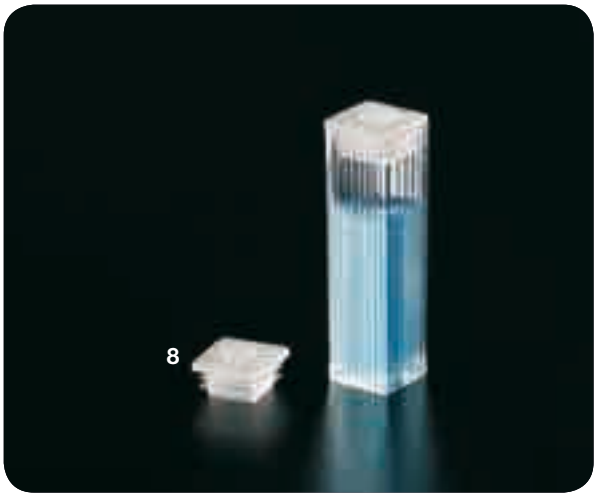


Special UV grade cuvettes

Made of UV grade PMMA for accuracy throughout UV/Vis range (280 to 800).

Model **303100** with four clear sides is ideal for fluorometry and nephefelometry.

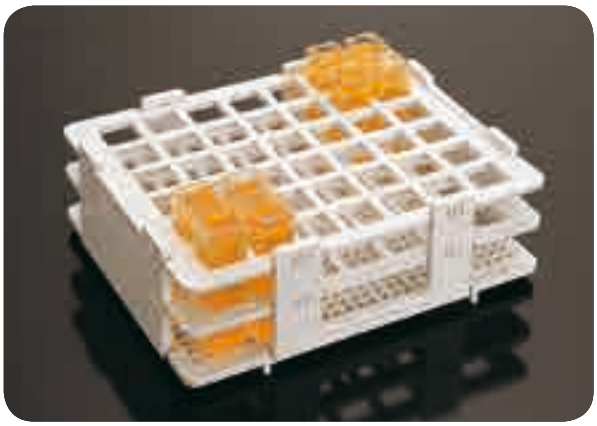
	code	description	case quantity	case weight	case volume
4	**303100**	4.5 ml 4 sides transparent	5 x 100	1.60	0.018
5	**303102**	4.5 ml macro	5 x 100	1.60	0.018
6	**303101**	2.5 ml semimicro	5 x 100	1.65	0.015
7	**303103**	1.5 ml micro	5 x 100	1.82	0.019



Cap

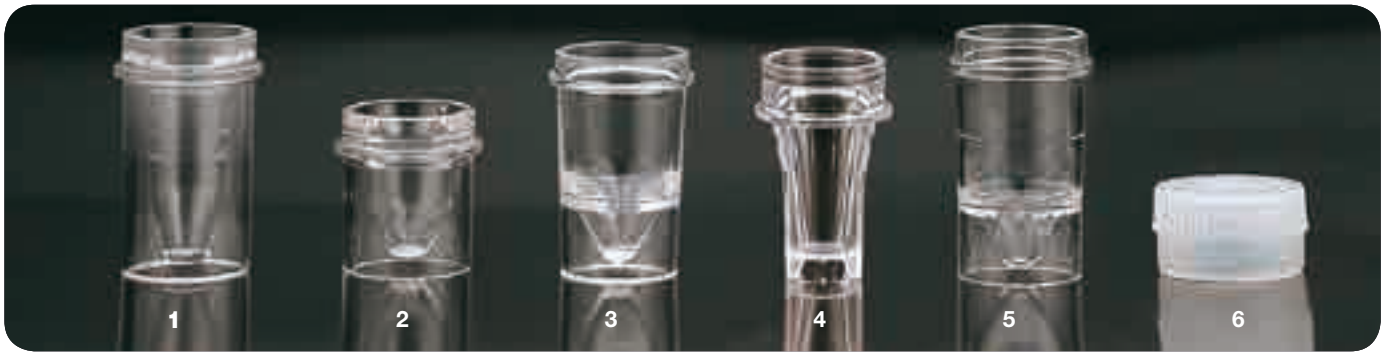
In polyethylene.
Suitable for the macro cuvettes, 4.5 ml (**302000**, **303100**, and **303102**)

	code	description	case quantity	case weight	case volume
8	**304000**	polyethylene cap	1,000	0.20	0.002



Please see our rack for the spectrophotometer cuvettes, code **M-100**, on Chapter 9. **Sample Storage.**

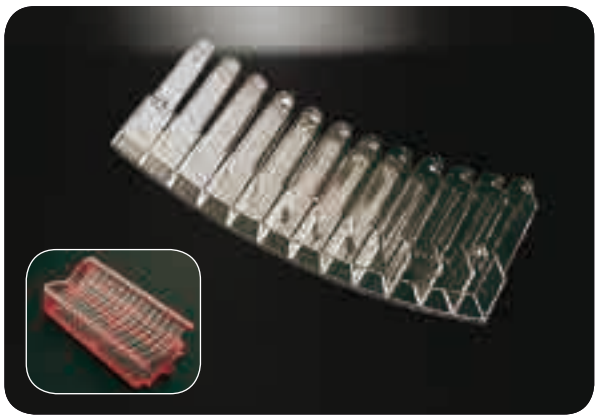
- Polypropylene
- **Autoclavable**
- Assembling rack that saves space
- Capability: 42 cuvettes



Sample cups

Polystyrene cups, with polyethylene caps.

mod.	code	description	type	Ø ext. mm	h mm	case quantity	case weight	case volume
1	**900024**	0.50 ml	Gemsaec, Kone Lab 20	13.55	24.50	10 x 1,000	13.82	0.066
2	**900023**	0.25 ml	Centrifichem	13.70	16.40	14 x 1,000	15.00	0.070
3	**900022**	1.50 ml	Technicon	13.80	22.60	10 x 1,000	10.60	0.067
4	**192503**	1.50 ml	Technicon RA 1000	13.90	24.70	12 x 1,000	10.46	0.060
5	**910022**	2.00 ml	Technicon	13.75	24.90	10 x 1,000	10.92	0.068
6	**900026**	push on cap suitable, for all models	–	16.00	8.50	20 x 1,000	3.50	0.064



Cobas Mira cuvette segments

Multicuvettes made of PMMA.
Rack made of polypropylene (colour: red).
For use on Cobas Mira.
Light path: 6 mm.
Complete rack with 15 segments of 12 cuvettes.

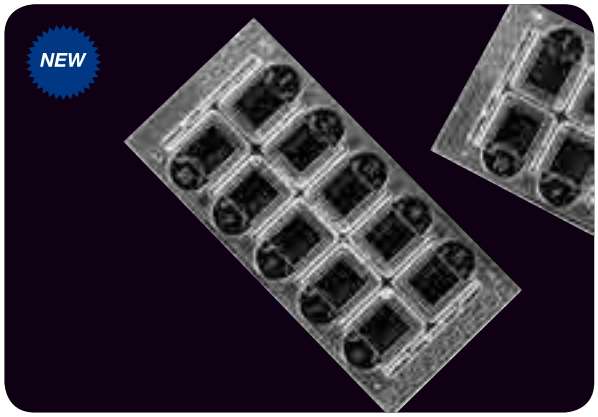
code	description	case quantity	case weight	case volume
900019	complete rack: 15 segments of 12 cuvettes	30	9.00	0.041



Coulter counter cups

Coulter counter cups: single use polystyrene cups suitable for any Coulter.
Two models available, with or without lid. Volume: 20 ml.
Dimensions: 30 x 56 mm (Ø x h).

code	description	case quantity	case weight	case volume
200103	coulter counter cup with lid	1,000	7.80	0.090
200102	coulter counter cup without lid	1,400	8.85	0.120



"Fast read" plate for urinary sediment cell count

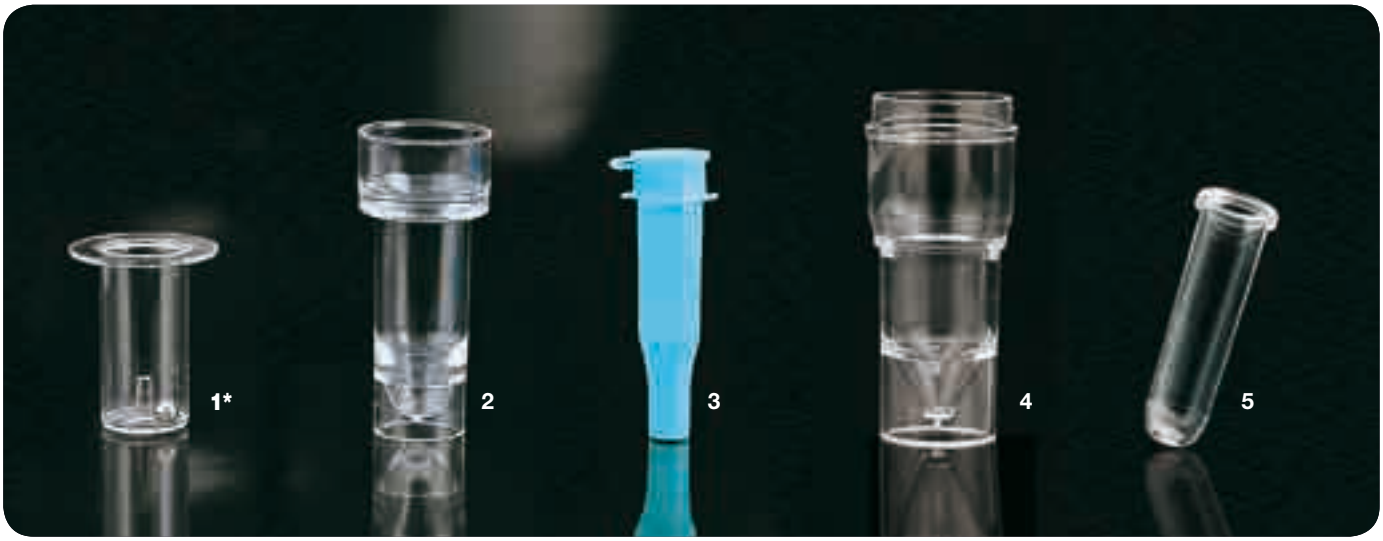
Disposable plate for determining µL cells in the sample.
Using this system a smaller number of epithelial cells present in each field can be achieved, reducing the possibility of overlap with other cells. Ensures a more careful and precise result, providing technical staff to determine presence of cellular elements.

code	description	case quantity	case weight	case volume
141746	fast read plate for urinary sediment cell count	100	0,30	0,0008

CE IVD

www.laboquimia.es

deltalab



Sample cups

Cups are made of polystyrene, except code **900008** which is made of HDPE.

mod.	code	description	type	Ø ext. mm	h mm	case quantity	case weight	case volume
1*	**900005.1**	1.5 ml, cup with steel	Amelung	18.65 / 11.25	22.8	12 x 1,000	9.40	0.098
2	**900020**	2.50 ml	Hitachi	16.75	38.0	6 x 1,000	11.01	0.071
3	**900008**	0.70 ml	Cobas bio	7.65	35.5	12 x 1,000	8.40	0.067
4	**910023**	4.00 ml	Technicon	16	37.9	6 x 1,000	12.20	0.069
5	**910026**	0.5 ml (0.8 ml total volume)	Sysmex	10 / 7.5 (± 0.2)	30	10 x 2,000	11.02	0.061

* 12 bags of 1,000 sample cups and 12 dispenser containers of 1,000 balls.

Scintillation vials

Single use vials made of high density polyethylene to minimize solvent losses.
Screw caps ensure a leakproof seal.
Compatible with most liquid scintillation counters available on the market.
2 models available: code **900100**, standard volume 20 ml, and code **900101**, volume 4 ml, designed for insertion in the 20 ml vial so as to minimize the volume of scintillation liquid.
Dimensions:
Vial 20 ml: 26.5 x 58.5 mm (Ø x h)
Minivial 4 ml: 13.71 x 53.15 mm (Ø x h).



code	description	case quantity	case weight	case volume
900100	scintillation vial (20 ml)	1,000	7.90	0.069
900101	minivial (4 ml) for the above vial	2,000	5.90	0.041

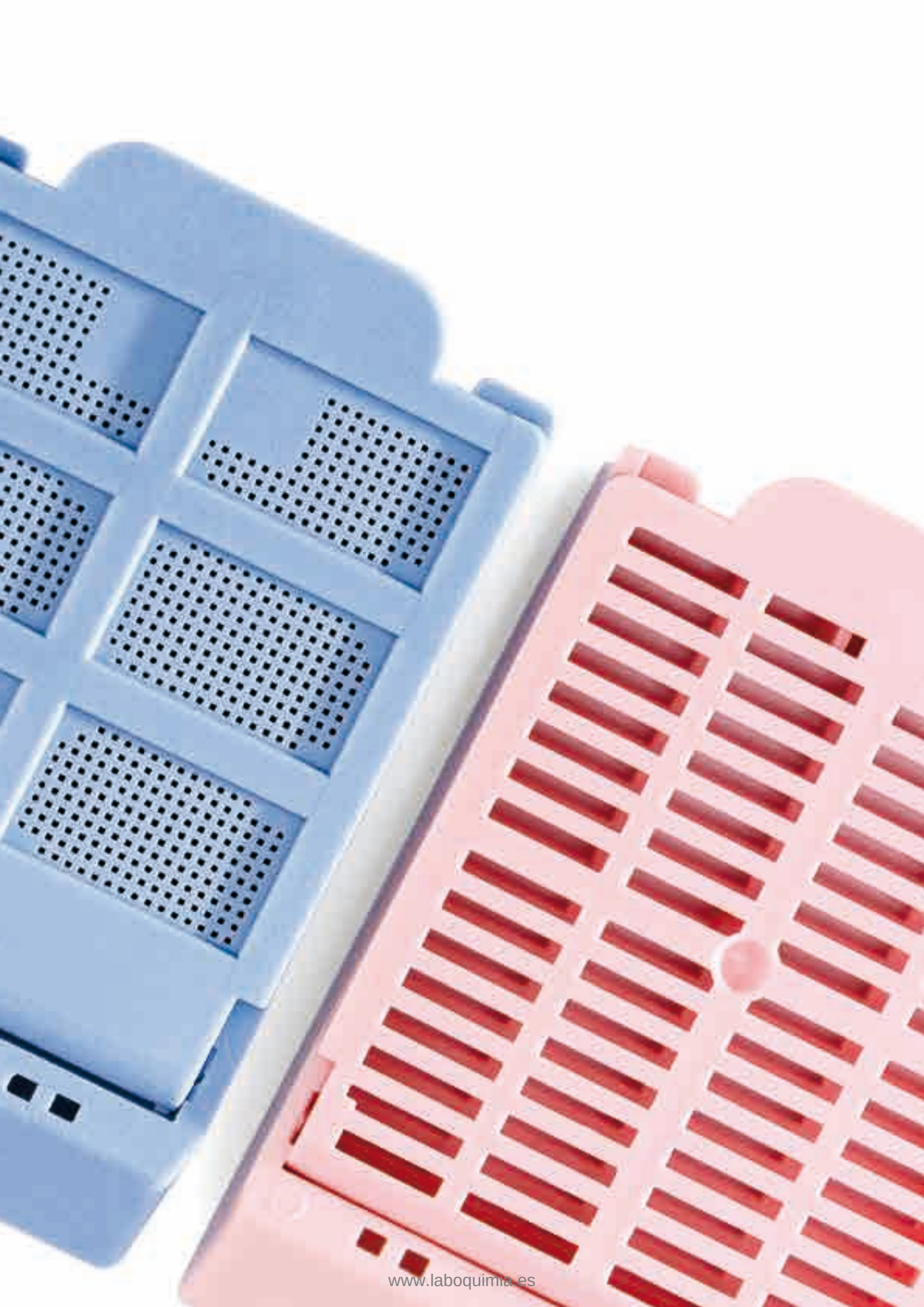
Beakers for cell counters

Single use beakers ideal for dilutions and cell counting in Toa and Royco-Hycel cell counters.
Both models are made of polyethylene.



code	baker type	Ø mouth mm	Ø base mm	h mm	vol. ml.	case quantity	case weight	case volume
1988314	Toa	30.5	25	68.6	30	3,000	6.54	0.054
1988315	Royco-Hycel	30.5	26	57.5	25	3,000	6.50	0.045





www.laboquimia.es



Polyethylene wide mouth jars with lid and insert plug

High density Polyethylene jars with screw cap and insert plug.
Jars and plugs are natural transluscent; lids are black.
Upon request, jars can be supplied individually wrapped for a minimum order of 3 cases for each code, and sterile for a minimum order of 6 cases, for each code.

code	capacity ml	Ø neck mm	Ø base mm	heigth mm	alimentary use	case quantity	case weight	case volume
202811	30	25	32	53		100	1.00	0.011
202810	60	38	52	48		200	3.90	0.045
202808	90	51	60	51	✓	150	3.90	0.045
202809	125	51	60	62	✓	200	6.00	0.082
202801	170	51	60	80		160	6.46	0.082
202802	250	54	67	100	✓	125	4.85	0.078
202814	400	60	74	124		130	8.00	0.140
202803	500	67	80	131	✓	120	7.70	0.140
202821	500	86	103	93	✓	95	8.44	0.140
202813	750	86	103	127	✓	75	4.56	0.152
202818	1,000	86	103	157	✓	50	5.43	0.140

See more capacities on pages 280-281



Jars with lid

Body and lid in white **autoclavable** polypropylene.
Self sealing security lid.
Made with materials suitables for alimentary use.
Code **241014** embodies a plastic handle.
Jars are supplied uncapped.

code	nominal capacity ml	Ø int. mouth x Ø base x height mm	weight g	case quantity	case weight	case volume	casses per pallet
241010	250	84 x 79 x 61	13	150	3.04	0.042	32
241011	550	107 x 98 x 79	24	250	5.01	0.103	16
241013	1,000	107 x 94 x 144	36	150	7.31	0.082	20
241014	1,560	135 x 118 x 138	48	150	4.42	0.130	16



Tamper evident, buckets with lid

Disposable containers made of **autoclavable** polypropylene.
Include tight fitting and leakproof lids.
All models include a sturdy and convenient white plastic handle for easier carrying. Buckets are supplied with lid apart. Made with materials suitables for alimentary use.

code	capacity l	Ø int. mouth mm	height mm	body weight g	case quantity	case weight	case volume	casses per pallet
222802	3	184.00	138.00	105.00	80	9.00	0.140	16
222803	4.5	210.00	156.00	134.00	48	10.46	0.130	16
222804	5.6	211.00	194.00	152.00	45	10.79	0.140	16
222805	10.6	251.00	263.00	314.00	20	8.39	0.140	16

www.laboquimia.es



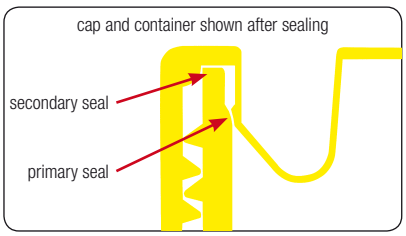
EUROTUBO® Leak proof screw cap containers

Specially designed for histology, they are provided with double internal security closure. Manufactured in translucent polypropylene with polyethylene ribbed yellow cap. They have moulded graduations in increments of 50 ml, and a ring in the upper part of the container that prevents dripping when decanting liquids. Its leakproof closure makes them ideal for liquid (including alcohols) or solid sample storage.
They meet the standard UNE-EN 14401. Rigid plastic containers. Methods to test the effectiveness of closures.
Supplied uncapped. Other cap colours available upon request.

mod.	code	capacity ml	external mouth Ø mm	height mm	case quantity	case weight	case volume	cases per pallet
1	**202845**	250	89	57	100	4.67	0.046	32
2	**202846**	500	90	110	200	10.80	0.082	20
3	**202847**	1,000	111	139	100	10.97	0.096	16

Security screw cap containers

Ultra clear polypropylene containers with yellow polyethylene cap.
Watertight closure: the cap, with an innovative shape, has a double closure. Graduated Container.
The base and the cap are ribbed so the handling with gloves is comfortable and reliable.
There is a ring in the upper part of the body, in order to avoid the dripping in case of liquid decanting.
Six different capacities from 20 to 120 ml.





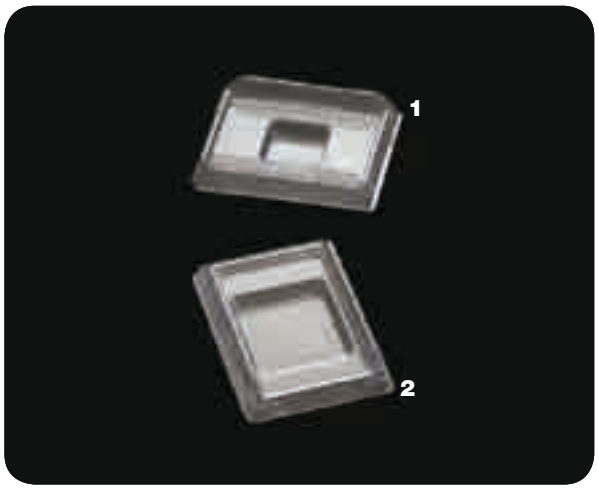
Find more information about this product on Chapter 7. **Sample containers**



Paraffin

It has a low dimethylsulphoxyde (DMSO) content and a quick penetration of tissues for 2 micron cuts.
Melting point: **56/58 ºC**. Can be used with usual solvents.
Ideal for histology.

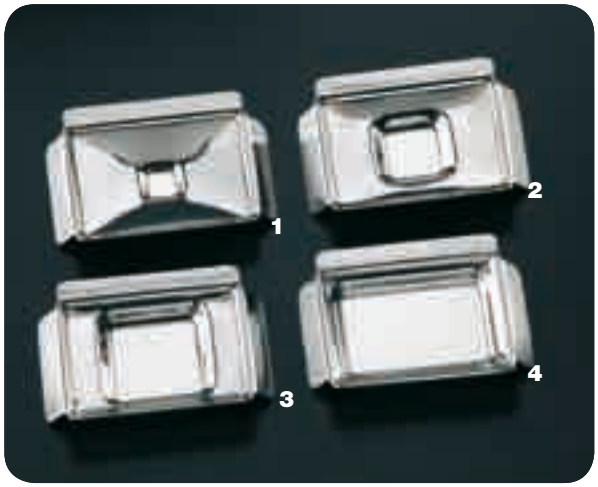
code	description	case quantity	case weight	case volume
440139	Paraplast Plus® - 1 kg bag	8 bags	8.50	0.023



Histology mould

Single use clear polypropylene mould.
The smooth interior ensures the paraffin does not adhere to the mould. The special material used ensures excellent thermal exchange. Available in various sizes.
External dimensions: 50 x 37.2 x 12 mm.
Suitable for the most of cassettes.

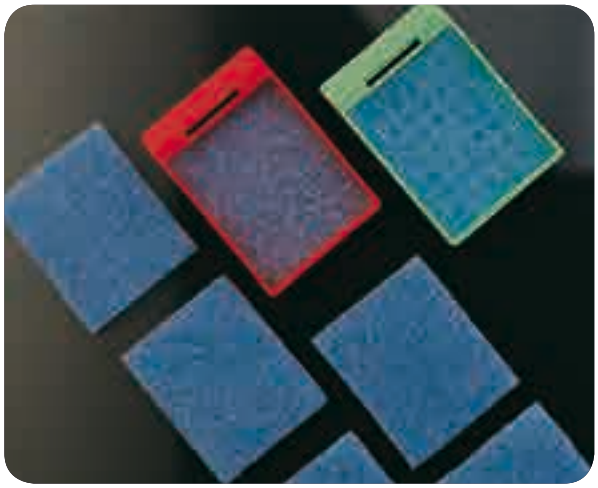
mod.	code	well dimensions mm	case quantity	case weight	case volume
1	**440131**	15 x 15 x 5	1,000	2.20	0.013
2	**440132**	24 x 24 x 5	1,000	2.20	0.013



Metal tray histology

Material: stainless steel.
External dimensions: 52 x 35 x 11 mm.

mod.	code	well dimensions mm	bag quantity	bag weight	bag volume
1	**192931**	7 x 7 x 7	10	0.09	0.0002
2	**192932**	15 x 15 x 7	10	0.09	0.0002
-	**192933**	24 x 24 x 7	10	0.09	0.0002
3	**192934**	30 x 24 x 7	10	0.09	0.0002
4	**192935**	37 x 24 x 7	10	0.09	0.0002



Tissue embedding sponge

Foam sponge, very useful for small specimens in biopsy tests.
Fits standard cassettes.
Avoids sample loss though drain holes when sample is processed.
Does not affect paraffin drainage.

code	dimensions mm	colour	case quantity	case weight	case volume
192922.04	32 x 26 x 3	blue	500	0.08	0.003

www.laboquimia.es

Forceps

Made of P.O.M. Colour: orange.
Self-sprung forceps with rounded ends.
Code **19503**, the inner part of the tip is ribbed to enhance sampling. Ribbed for a better handling.
Autoclavable. Flexible.

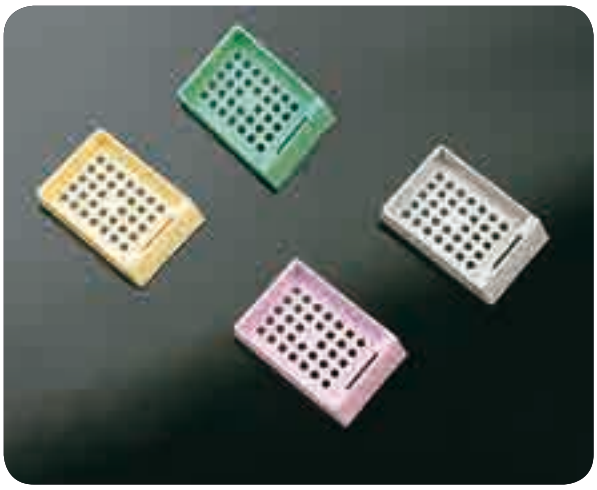
code	length mm	case quantity	case weight	case volume
19500	115	5	0.23	0.0006
19501	145	5	0.05	0.0001
19503	250	5	0.17	0.0043



Cassettes without lid

Made of polyacetyle.
With 34 round holes of 2 mm Ø.
Resistant to the solvents used in histological processes.
It is possible to write on them.
External dimensions: 40 x 28 x 6 mm.

code	colour	case quantity	case weight	case volume
440141	white	3 x 1,000	7.00	0.047
440147	green	3 x 1,000	7.00	0.047
440144	pink	3 x 1,000	7.00	0.047
440143	yellow	3 x 1,000	7.00	0.047



Lids for cassettes

Stainless steel lids.
Fit all standard cassettes.
Suitable for **440141** and series.

code	description	case quantity	case weight	case volume
440149	lid for cassettes	25	0.07	0.0006

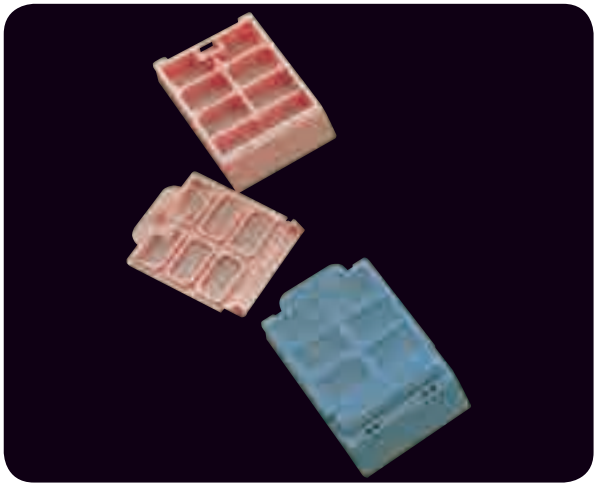


Cassette for biopsy 6 compartments

Material: polyacetyle.
Designed for small biopsies, each cassette has six individual cells to hold six samples.
Each cell is 7 x 12 mm. The lid allows multiple opening and closing.
A frosted area allows writing on the cassette.
Each cassette has near 3,000 micro holes of 0.26 mm diameter.

code	colour	case quantity	case weight	case volume
44240	pink	4 x 250	5.20	0.026
44245	blue	4 x 250	5.20	0.026

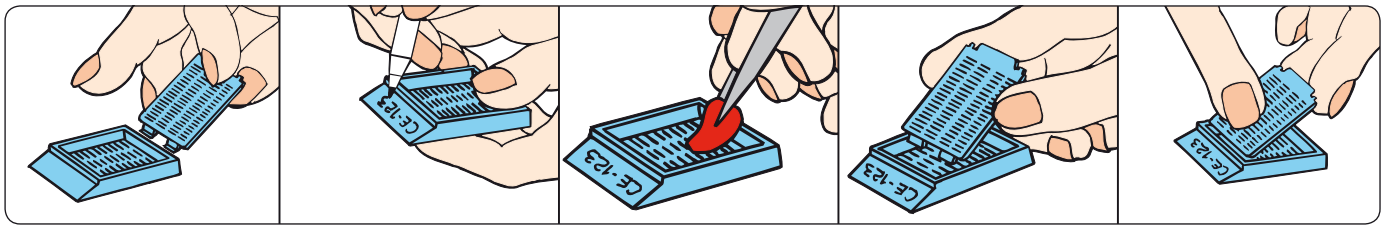
Ask for minimum quantity and delivery time of other colours.



CASSETTES HISTOSETTE I

- Made of polyacetal.
- Air vents allowing more efficient filling with paraffin.
- Safety closure.
- External dimensions: 40 x 28 x 6 mm (with closed lid)
- With one-piece integral lid.
- To lock the cassette, just snap apart the lid, turn it round and lock it into the base of the cassette.
- They may be opened and closed as many times as required.

HOW TO USE



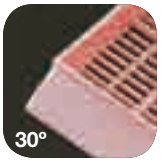


Cassettes pour tissus. Histosette I

Writing area at 30º.
64 cuts (1 x 5 mm) in base and lid, distributed 16 x 4.

code	colour	case quantity	case weight	case volume
454141	white	3 x 500	5,40	0,039
454147	green	3 x 500	5,40	0,039
454140	pink	3 x 500	5,40	0,039
454143	yellow	3 x 500	5,40	0,039
454148	blue	3 x 500	5,40	0,039

Ask for minimum quantity and delivery time for other colours.





Cassettes for biopsy. Histosette I

Writing area at 45º angle. Incorporated lid.
224 draining holes (1 x 1 mm).

code	colour	case quantity	case weight	case volume
554111	white	3 x 500	6.35	0.034

Ask for minimum quantity and delivery time for other colours.



Cassettes for tissue

Made of acetal polymer. With an integral lid.
Small tab on the lid for easy opening and locking.

code	colour	case quantity	case weight	case volume
554141	white	4 x 500	7.90	0.064
554147	green	4 x 500	7.58	0.064
554140	pink	4 x 500	7.58	0.064
554143	yellow	4 x 500	7.58	0.064
554148	blue	4 x 500	7.58	0.064

Ask for minimum quantity and delivery time for other colours.

www.laboquimia.es

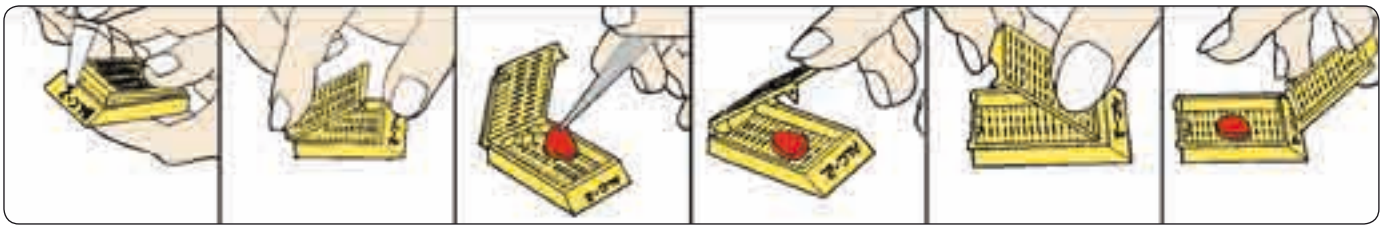
deltalab

CASSETTES HISTOSETTE II

- Made of polyacetal.
- Hinged lid: can be opened and closed as often as necessary.
- Supplied assembled, saving time and making storage easier.
- External dimensions: 41 x 28 x 6 mm.
- Air vents allowing more efficient filling with paraffin.
- Easy handling with one hand.
- Safety closure (see figure).
- Writing area slanted at a 45º angle, suitable to be used with most labelling instruments.



HOW TO USE



Cassettes for tissue. Histosette II

Material: acetal polymer. 64 cuts in base and lid.
Cassettes and lids are available: pre-mounted, or with the lid separated in another case.

code	colour	case quantity	case weight	case volume
Cassettes with the lid pre-mounted:				
44140	pink	3 x 500	5.00	0.026
44141	white	3 x 500	5.00	0.026
44143	yellow	3 x 500	5.00	0.026
44145	blue	3 x 500	5.00	0.026
44147	green	3 x 500	5.00	0.026
Cassettes with the lid separated:				
441140	pink	2 x 500*	3.56	0.025
441141	white	2 x 500*	3.56	0.025
441143	yellow	2 x 500*	3.56	0.025
441145	blue	2 x 500*	3.56	0.025

*2 dispensing boxes with 500 cassettes each plus one box containing 1,000 lids.



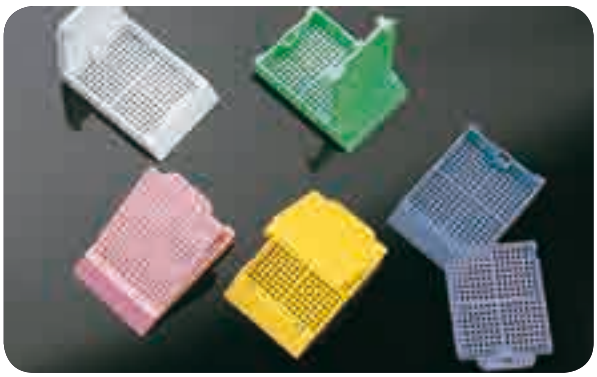


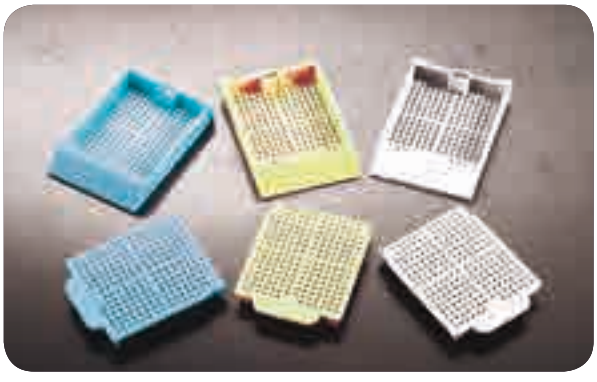
Cassettes for biopsy. Histosette II

Made of acetal polymer. 224 holes. 1 mm square openings to maximize fluid exchange and to ensure proper drainage.
Cassettes and lids are available: pre-mounted, or with the lid separated in another case.

code	colour	case quantity	case weight	case volume
Cassettes with the lid pre-mounted:				
445140	pink	3 x 500	5.20	0.026
445141	white	3 x 500	5.20	0.020
445143	yellow	3 x 500	5.20	0.026
445145	blue	3 x 500	5.20	0.026
445147	green	3 x 500	5.20	0.026
Cassettes with the lid separated:				
451241	white	2 x 500*	3.92	0.025
451243	yellow	2 x 500*	3.90	0.026
451245	blue	2 x 500*	3.90	0.026

*2 dispensing boxes with 500 cassettes each plus one box containing 1,000 lids.





CASSETTES SLIMSETTE

- Made of polyacetal.
- Hinged lid: can be opened and closed as often as necessary.
- Supplied assembled, saving time and making storage easier.
- Hinged lid may be separated if required.
- Dimensions: 41 x 28.5 x 6 mm.
- Easy handling with one hand.
- Safety closure.
- Air vents allowing more efficient filling with paraffin.
- Writing area slanted at a 45º angle, suitable with most labeling instruments.

- **Only 6 mm high, allowing more cassettes to be stacked in automated labeling machines and in storage cabinets.**
- **Two versions available: single cassettes and in stacks for Leica® and Sakura® labeling instruments.**

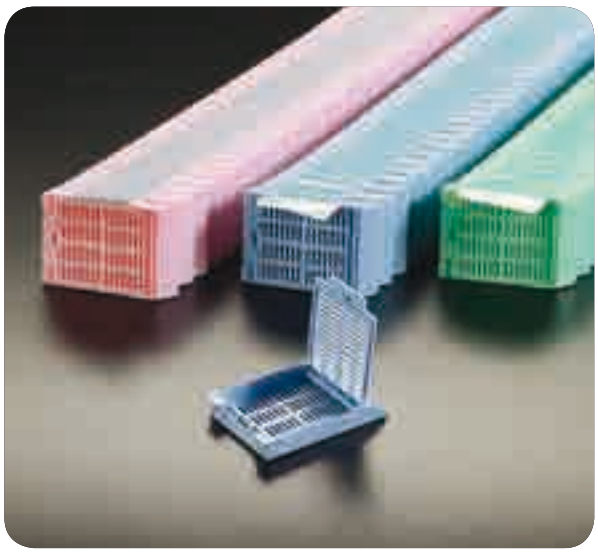


Cassettes for tissue. Slimsette

Quick drainage thanks to 114 vents each measuring 5 x 1 mm.

code	colour	case quantity	case weight	case volume
Single cassettes (The main case contains three dispenser boxes of 500 cassettes each)				
555141	white	3 x 500	5.01	0.025

Ask for minimum quantity and delivery time for other colours.



code	colour	case quantity	case weight	case volume
Stacks for Leica® and Sakura® (Each case contains 50 stacks of 40 cassettes)				
555251	white	50 x 40	7.12	0.023
555257	green	50 x 40	7.12	0.023
555258	blue	50 x 40	7.12	0.023

Ask for minimum quantity and delivery time for other colours.



code	colour	case quantity	case weight	case volume
Stacks for Leica® and Sakura® (Each case contains 50 stacks of 40 cassettes)				
44350	pink	50 x 40	6.84	0.022
44351	white	50 x 40	6.84	0.022
44355	blue	50 x 40	6.84	0.022

Ask for minimum quantity and delivery time for other colours.

CASSETTES SWINGSETTE

- Made of polyacetal.
- Cassettes type Richard-Allan® and Surgipath® Multi-Cassette (Leica)
- Hinged lid: can be opened and closed as often as necessary.
- Supplied assembled, saving time and making storage easier.
- Dimensions: 42 x 28 x 6 mm.
- Large tab for convenient an easy opening
- Easy handling with one hand.
- Safety closure.
- Writing area at 45°, suitable for most automatic labelers.
- Air vents allowing more efficient filling with paraffin.

Cassettes for tissues. Swingsette

Designed to hold tissue specimens.
64 holes of approximately 0.76 x 5.06 mm;
distributed 16 x 4.

code	colour	case quantity	case weight	case volume
415141	white	3 x 500	5.44	0.025

Ask for minimum quantity and delivery time for other colours.



Cassettes for biopsy. Swingsette

Designed to hold biopsy specimens.
224 holes of approximately 0.76 x 0.76 mm.

code	colour	case quantity	case weight	case volume
414141	white	3 x 500	5.44	0.025
414147	green	3 x 500	5.44	0.025

Ask for minimum quantity and delivery time for other colours.

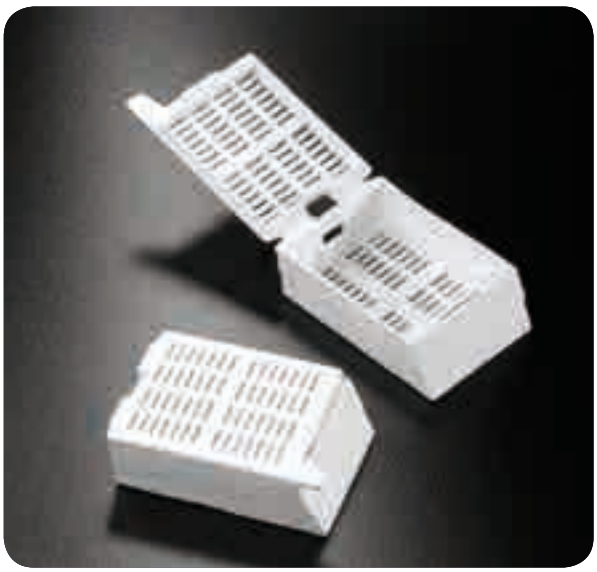


Mega cassettes

Made from polyacetal.
With an integral lid.
Designed for larger tissue samples.
Holes are 1 x 5 mm.
Cassette dimensions: 26 x 40 x 13 mm.

code	colour	case quantity	case weight	case volume
44125	white	500	2.57	0.025

Ask for minimum quantity and delivery time for other colours.





Storage cabinet

Made of ABS. Marble color.
This storage cabinet with lid includes 5 drawers and is designed for the storage of small units such as slides or embedding rings.
Drawers are designed to hold ABS racks code **19921**.
The storage cabinet can hold a total of 5,000 slides, as each drawer can hold 10 racks and each rack can hold 100 slides.
Each slot on the rack is numbered.
Polystyrene covers for the racks are available (code **19920**).
A four wheel support (code **19931**) is also available for the cabinet.

code	description	case quantity	case weight	case volume
19930	420 x 420 x 730 mm	1	13.64	0.1640
19931	4 wheels	1	0.02	0.0001
19921	cabinet rack	2	0.38	0.0031
19920	cover	2	0.20	0.0017





Economical storage box

This box, complete with a lid, is specially designed for the storage of histology cassettes.
Made of heavy-duty cardboard for long term storage.
Each box stores up to 250 cassettes or 160 embedding rings.
Dimensions: 455 x 235 x 50 mm.

code	description	case quantity	case weight	case volume
DS42	waterproof cardboard	18	5.30	0.130



Modular storage drawers

Made of high impact polystyrene, this set consists of 6 stackable drawers (7 slots per drawer) providing permanent storage and identification of up to 165 embedding rings or 250 cassettes per drawer (total capacity: 1,500 cassettes).
Dimensions: 400 x 230 x 340 mm.
Front: black colour. Sides: grey.

code	description	case quantity	case weight	case volume
DS40	set of 6 drawers	1	6.00	0.034

www.laboquimia.es

deltalab

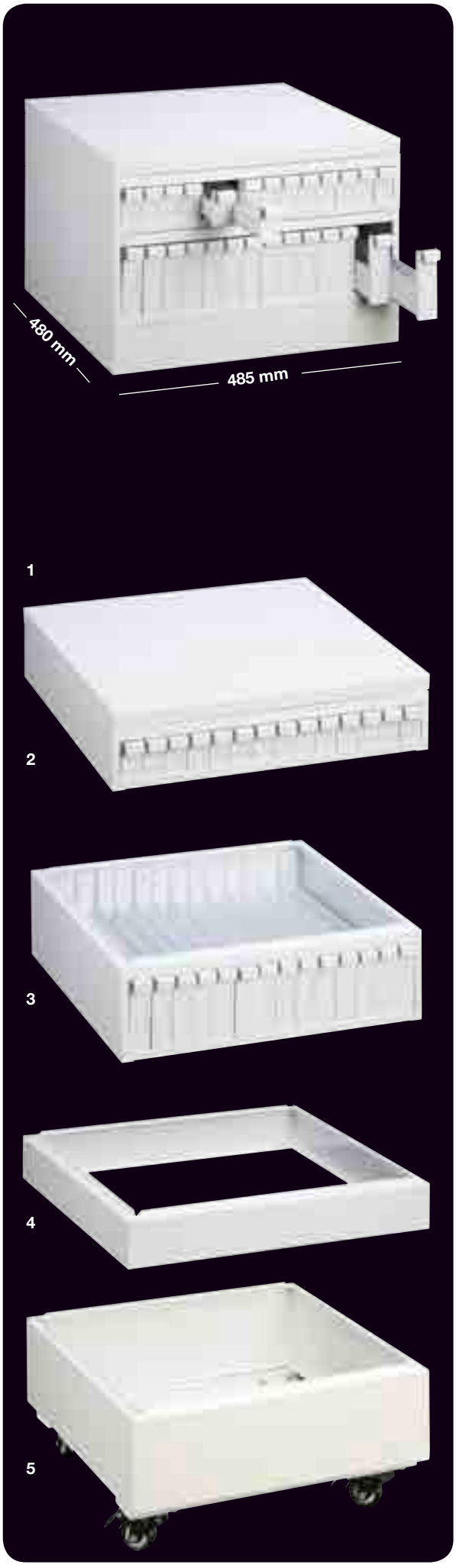
Laboratory storage cabinet

Designed especially for the storage of microscope slides, histology cassettes and embedding rings.
Universal models interchangeable with other cabinets on the market. All parts of the cabinet are stackable.
Manufactured from enameled metal. Colour grey.
You can make up your own composition from one or several of the following elements:

– Modular cassette drawers
– Modular microscope slide drawers
– Top
– Base
– Wheels base

All modules are stackable.

NEW



Modular top (1)

code	external dimensions mm			unit weight	unit volume
	height	length	width		
DS51	26	485	480	2.50	0.007

Modular cassette drawers (2)

Cabinet consisting sliding drawers.
The cabinet can hold approximately 910 embedding rings.

code	external dimensions mm			unit weight	unit volume
	height	length	width		
DS36	91	485	480	9.00	0.020

Modular microscope slide drawers (3)

Consisting of 14 sliding drawers to hold a total of approximately 5,600 microscope slides of 26 x 76 mm.

code	external dimensions mm			unit weight	unit volume
	height	length	width		
DS10	146	485	480	12.50	0.044

Modular base (4)

To fit all modular cabinets and drawers.

code	external dimensions mm			unit weight	unit volume
	height	length	width		
DS52	76	485	480	2.00	0.020

Modular base with wheels (5)

To fit all modular cabinets and drawers.

code	external dimensions mm			unit weight	unit volume
	height	length	width		
DS63	146	485	480	12.00	0.070







STAR FROST® ADHESIVE slides

Standard size: 26 x 76 mm. Thickness: 1 mm. Made in Germany. High definition, pre-washed glass. **Hydrofophobic**. No stain residues, no proteins in the surface.

Feature a white, 20 mm. marking area. This special printed area is resistant to all common chemicals used in the laboratories, and may be marked with pencil, ballpoint pen, marker and different laboratory-printers (e.g. Leica XPS). Thanks to the single side printing the user always knows the best surface to be used.

Star Frost® Adhesive slides are **treated with silane-coating,** which **ensures cell-and-tissue-adhesion and supports the forming of covalent bonds between the tissue and the glass** surface through electrostatic attraction. So tissue and cell substrates stick rapidly on the surface without using further adhesives or protein coating media, saving costs and time. This adhesive coating is restricted to the top surface and therefore to the usable area only. As the underside is untreated, the slides do not tend to stick when stacked or transported as with other competitive products.

StarFrost® Adhesive slides do not show striae and disturbing background staining such as the blue or red background obtained with Haematoxylin and Eosin-staining of tissues on Albumin coated glass, or the brown background obtained during the Immunoperoxidase or In-situ-DNS-Hybridisation process.
They are ideal for molecular-hybridization, as being DNASe and RNAse free there is no need of washing them with chromic-acid.

Available with ground edges 90º or beveled clipped corners.
Supplied in boxes of 50 units.
Final package (20 boxes) by **tropical pack.**
Conforms with ISO 8037/1 (european standard).
Expiry date: 14 months after manufacturing date.

code	edges	corners	case quantity	case weight	case volume
A100018	grounded 90º	no clipped	20 x 50	5.02	0.004
A100019	grounded bevelled	clipped	20 x 50	4.98	0.004

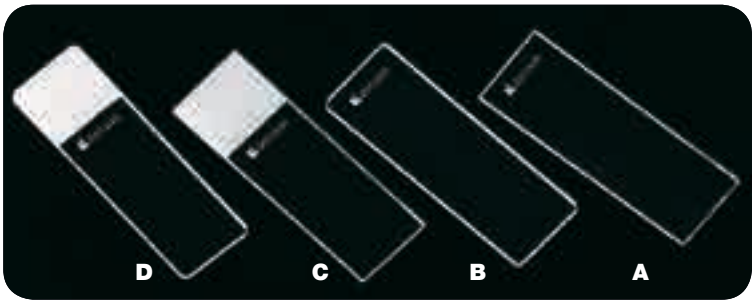


TROPICAL PACK:
Aluminium film designed to protect slides from humidity.

STAR FROST® slides

Standard size: 26 x 76 mm. Thickness: 1 mm.
Made in Germany of high definition, pre-washed glass. Hydrofophilic (epoxy). Feature a colour-coded, 20 mm **marking area**.
This special colour-printed area is resistant to all common chemicals used in the laboratories, and may be marked with pencil, ballpoint pen, marker and different laboratory-printers (e.g. Leica XPS). Thanks to the single side printing the user always knows the best surface to be used.
Ground edges at 45º (angle) **and clipped corners**. Supplied in boxes of 50 units. Final package (20 boxes) by tropical pack.
Expiry date: 14 months after manufacturing date.

code	strip colour	case quantity	case weight	case volume
A100010	white	20 x 50	4.94	0.003
A100011	green	20 x 50	4.98	0.004
A100013	blue	20 x 50	4.94	0.004
A100014	yellow	20 x 50	4.94	0.003





EUROTUBO® slides

Standard dimensions: 26 x 76 mm (± 0.2).
Clear, pre-washed glass, 1.1 mm (± 0.1) thick.
Ideal for routine analysis.
Displayed in cases of 50 units.
Each case is vacuum flow-packed to protect them from dirtiness.
Each case includes a bag of silica salt.
Expiry date: 24 months after manufacturing date.

	code	edges	corners	matt area	case quantity	case weight	case volume
A	**D100001**	cut 90º	no clipped	no	50 x 50	14.25	0.014
B	**D100002**	grounded 45º	clipped	no	50 x 50	14.20	0.010
C	**D100003**	cut 90º	no clipped	yes	50 x 50	14.25	0.014
D	**D100004**	grounded 45º	clipped	yes	50 x 50	14.25	0.014

EUROTUBO® cover slides

Specific use: protection of the sample and lens.
Clear, pre-washed glass. Thickness: 0.13 - 0.16 mm.
Supplied in cases of a hundred or two hundred units (depending on the code).
Each case includes a bag of silica salt, and is supplied vacuum in tropical pack. Easy opening, no need for scissors.
New improved box which minimize the risk of pack breakage and ensure a better lock.

code	dimensions mm	case quantity	case weight	case volume
D101818	18 x 18	5 x 200	0.30	0.0012
D102020	20 x 20	5 x 200	0.33	0.0011
D102222	22 x 22	5 x 200	0.37	0.0012
D102240	22 x 40	10 x 100	0.65	0.0016
D102424	24 x 24	5 x 200	0.41	0.0011
D102432	24 x 32	10 x 100	0.63	0.0017
D102440	24 x 40	10 x 100	0.68	0.0017
D102450	24 x 50	10 x 100	0.79	0.0017
D102460	24 x 60	10 x 100	0.89	0.0017







Microscope slide labels 23 x 23 mm

Write on these permanent adhesion labels and stick them onto microscope slides for better identification.
White colour.
Each sheet contains 40 labels.
Page size: 13.3 x 19 cm.

code	quantity	weight	volume
901600	1,000 labels	0.14	0.0001



Mounting medium for microscopy

VITROCLUD® quick-hardening mounting medium for microscope preparations. Neutral and colourless.
Short hardening time (20 min). Refractive index at room temperature: 1.5. Resistant to heat, cold (down to –17 ºC), humidity and light including UV rays.
It is recommended to close the container immediately after use.
If the medium becomes too viscous, add Xylene.
Supplied in aluminium bottles for a safer storage.
Store at maximum 20 ºC.

code	description	case quantity	case weight	case volume
A20100	bottle 100 ml	1	0.13	0.0003
A20250	bottle 250 ml	1	0.30	0.0016
A20500	bottle 500 ml	1	0.58	0.0020



Staining tray

Made of ABS.
It will accept 10 or 20 slides on plastic rails covered by a polymer strip to perfectly hold slides even if tray is held at an angle (see picture A).
When humidity is required, wells between rails may hold water, and raised rails will avoid water from touching the slides.
It features a draining plug to ease the emptying of the tray (see picture B).
Four rubber feet ensure stability.
Clear lid made of PETG (also available in black ABS, for fluorescence work; ask for delivery time).
Cannot be used with acetone and chlorinated hydrocarbons.

code	description	case quantity	case weight	case volume
989953	staining tray 10 slides	1	0.65	0.003
989951	staining tray 20 slides	1	1.08	0.005

www.laboquimia.es



Stains

	code	description		case quantity	case weight	case volume
CE (IVD)	808000	Eosin, solution, May Grunwald, 250 ml bottle Danger symbols: H225, H331, H311, H301, H370 Transport norms: ONU 1992. ADR: 3/6.1/II. IMDG: 3/6.1/II. IATA: 3/6.1/II. PAX: 352. CAO: 364		16	4.80	0.015
CE (IVD)	808001	Eosin, solution, May Grunwald, 1000 ml bottle Danger symbols: H225, H331, H311, H301, H370 Transport norms: ONU 1992. ADR: 3/6.1/II. IMDG: 3/6.1/II. IATA: 3/6.1/II. PAX: 352. CAO: 364		12	13.00	0.045
CE (IVD)	808100	Eosin, solution modified Giemsa, 250 ml bottle Danger symbols: H225, H331, H311, H301, H370 Transport norms: ONU 1992. ADR: 3/6.1/II. IMDG: 3/6.1/II. IATA: 3/6.1/II. PAX: 352. CAO: 364		16	5.15	0.015
CE (IVD)	808101	Eosin, solution modified Giemsa,1000 ml bottle Danger symbols: H225, H331, H311, H301, H370 Transport norms: ONU 1992. ADR: 3/6.1/II. IMDG: 3/6.1/II. IATA: 3/6.1/II. PAX: 352. CAO: 364		12	13.00	0.045
CE (IVD)	808200	Eosin, solution Wright, 250 ml bottle Danger symbols: H225, H331, H311, H301, H370 Transport norms: ONU 1992. ADR: 3/6.1/II. IMDG: 3/6.1/II. IATA: 3/6.1/II. PAX: 352. CAO: 364		16	4.43	0.015
Gram differential staining **KIT**: **805000***	806030	Lugol bottle 250 ml		16	4.90	0.015
	805040	Gentian violet bottle 250 ml		16	4.80	0.015
	805001	Gram decolorizing bottle 250 ml		16	4.25	0.015
	805050	Safranin solution bottle 250 ml Danger symbols: H226 Transport norms: ONU 1993. ADR : 3/III. IMDG : 3/III IATA : 3/III		16	4.80	0.015
	805001	Gram decolorzing, 250 ml bottle. Danger symbols: H225, H319, EUH066, H336 Transport norms: ONU 1993 ADR: 3/II. IMDG: 3/II. IATA: 3/II PAX: 353. CAO: 364		16	4.25	0.015
	806030	Lugol Iodine, 250 ml bottle. Danger symbols: H412		16	4.90	0.015
	805040	Violet crystal solution (Gentian violet), 250 ml bottle Danger symbols: H302, H351, H318, H410		16	4.80	0.015
	805140	Violet crystal solution (Gentian violet), 1000 ml bottle Danger symbols: H302, H351, H318, H410		12	13.00	0.045
Ziehl differential staining **KIT**: **805010***	805020	Fuchsin bottle 250 ml		16	4.66	0.015
	805030	Methylene blue bottle 250 ml		16	4.80	0.015
	805011	Ziehl decolorizing 2 bottles 250 ml		16	4.46	0.015
	805050	Safranin solution, 250 ml bottle Danger symbols: H226 Transport norms: ONU 1993. ADR : 3/III. IMDG : 3/III IATA : 3/III		16	4.80	0.015
	805150	Safranin solution, 1000 ml bottle Danger symbols: H226 Transport norms: ONU 1993. ADR : 3/III. IMDG : 3/III IATA : 3/III		12	13.00	0.045
	805120	Ziehl fuchsin solution, 1000 ml bottle Danger symbols: H225, H312, H302, H319, H315, H341		12	13.00	0.045
	805030	Methylene blue, 250 ml bottle		16	4.80	0.015
	805130	Methylene blue, 1,000 ml bottle		12	13.00	0.045
CE (IVD)	805013	Fast stain for blood extensions, 250 ml containers, **Kit** with 2 containers A and 2 containers stain B		12 Kits	14.95	0.045

Minimum order quantity: 1 bottle or kit.



Staining jars with lid

Material: **autoclavable TPX.**
Two options available: vertical, "Hellendhall" type (Code **19335**) horizontal "Schifferdecker" type (Code **19351**).

code	description	case quantity	dimensions mm	case weight	case volume
19355	vertical, for 8 slides	4	58 x 53.5 x 86	0.28	0.002
19351	horizontal, for 10 slides	4	76 x 65 x 45	0.32	0.002

121°C



Staining jar

Made of **POM** (polyoxymethylene).
Colour: black. Ideal for slide staining.
Good resistance to alcohols and xylol (not to phenol).
Consists of a jar with a lid for slide staining.
Leakproof. Includes a white perforated slide partition for drying.
Not suitable for microwaves.

code	dimensions mm	case quantity	case weight	case volume
191101	100 x 87 x 51	1	0.10	0.0004



Staining rack

Made of **POM** (polyoxymethylene). Colour: black. Ideal for slide staining.
Good resistance to alcohols and xylol (not to phenol). Accepts 25 slides.
Includes a folding handle, and 25 numbered slots to facilitate classification.
Slides insert easily in the rack. The rack ideally fits into the staining through presented above.
No suitable for microwaves.

code	dimensions mm	case quantity	case weight	case volume
191100	91 x 79 x 38	1	0.03	0.001

A-Z
0-1

www.laboquimia.es



Staining system

Slide staining system compound of a range of jars, and a 12 slides staining rack. Different jar colours allow the user to distinguish each stage of the staining process. Jar and rack made of **autoclavable** POM (polyoxymethylene), resistant to staining agents as alcohol, xylene, etc. (not phenol).
The jar embodies a hinged lid which allows storing the jar with the content.
Reagent capacity: 80 ml.
Jars can be loosely joined to each other laterally (picture 1).
The rack features a handle in the hinged lid, and can be placed up when handled out of the jar. Since the slides are placed vertically in the rack, their writing area will not be stained, allowing their removal without the use of forceps (picture 2).
Rack and jar withstand from **–170 ºC** and **121 ºC.**
Jar dimensions: 64 x 76 x 92 mm. Rack dimensions: 60 x 64 x 97 mm.



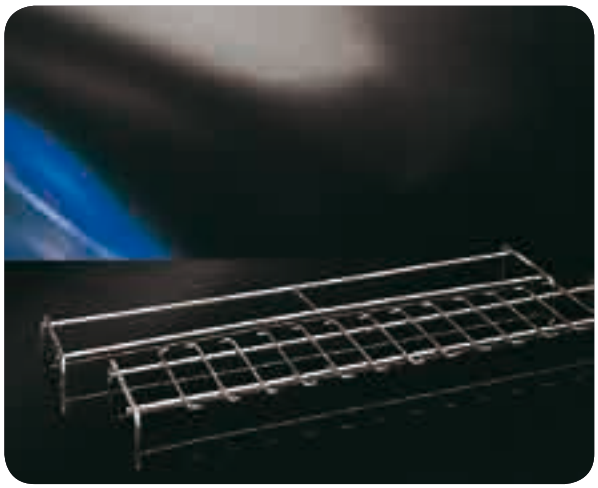
code	description	case quantity	case weight	case volume
191104	blue jar	6	0.72	0.0059
191105	green jar	6	0.78	0.0059
191106	white jar	6	0.68	0.0059
191107	yellow jar	6	0.68	0.0059
191108	dark grey rack	6	0.32	0.0024

Staining jar and dish

Dish made of polypropylene and jar made of **autoclavable TPX**. The jar is supplied with two lids. The first lid provides evaporation free storage of staining liquid when the dish is not in use. The second includes a slot to allow staining dish insertion.
Code **19353**: height (with lid) 70 mm, height (without lid) 65 mm, lenght 100 mm and width 75 mm.
Code **19354**: height 21 mm, length 83 mm, width 70 mm and lenght (handle) 160 mm.



code	description	case quantity	case weight	case volume
19353	jar with 2 lids	4	0.49	0.006
19354	staining dish for 20 slides	2	0.06	0.001



Staining racks

Stainless steel.
Models **S-004** and **S-002** can be leaning over to drain off the stain without falling the slide.

code	description	case quantity	case weight	case volume
S-004	for 12 slides length: 435 mm, width: 85 mm	1	0.25	0.003
S-002	for 24 slides lenght: 435 mm, width: 175 mm	1	0.36	0.003
S-003	without dividers lenght: 435 mm, width: 85 mm	1	0.21	0.003

Other stainless steel models can be made on request.

121°C



Staining jar and basket

Code **19360** is a stainless steel staining jar.
With a lid to avoid evaporation.
Made of stainless steel, this staining basket is designed for 30 slides of 26 x 76 mm for use in the above staining jar, code **19360**.
Includes an adjustable handle for more convenience.

code	description	dimensions mm	case quantity	case weight	case volume
19360	jar	115 x 88 x 77	1	0.42	0.001
19361	basket	110 x 85 x 55	1	0.13	0.001

121°C



Special baskets and trays for slides

Baskets are manufactured from stainless steel wire.
Model **CP-30** has folding handles.

code	description	dimensions mm	case quantity	case weight	case volume
CP-30 H	basket for 30 horizontal slides	172 x 86	1	0.12	0.0011
CP-45 H	basket for 45 horizontal slides	235 x 85	1	0.17	0.0017
CP-30	basket for 30 vertical slides	70 x 165*	1	0.20	0.0025

* Height with handle

121°C



Coplin type staining jar

Jar made of opaque white, unbreakable and **autoclavable** polypropylene, designed for staining 5 standard microscope slides.
Rectangular container with rounded base and screw ribbed flat cap with an inner ring for preventing leakage.
Used as a storage system, it can hold up to 10 slides (2 per groove).
Dimensions: Base diameter: 60 mm.
Height of jar: 110 mm. Height of jar with cap: 114 mm.

code	description	case quantity	case weight	case volume
191087	Coplin jar for 5 slides	12	0.92	0.007

121°C

www.laboquimia.es

Slidefolder

Made of hight impact polystyrene. It will hold up to twenty standard slides.
The case holding the slides horizontally offers numbered spaces for easy identification.
Will resist temperatures between **–80 ºC** and **100 ºC**.
Not autoclavable.
The two transparent doors cover the slides and offer a full view of each slide without having to remove them.
Easy opening.
Stackable.
External dimensions: 192 x 292 x 11 mm.

code	slidefolder colour	case quantity	case weight	case volume
989945	blue	10	3.20	0.013

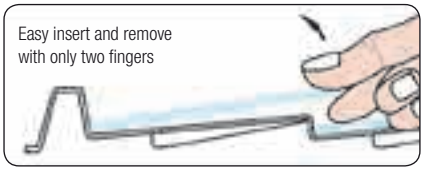


Slide tray

Made of high impact polystyrene. It will hold up to twenty standard slides. The slide tray is easily stackable and will take minimum space on any shelf or laboratory counter.
Not autoclavable.
External dimensions: 206 x 299 x 18 mm.

code	slidefolder colour	case quantity	case weight	case volume
989956	white	10	0.91	0.013





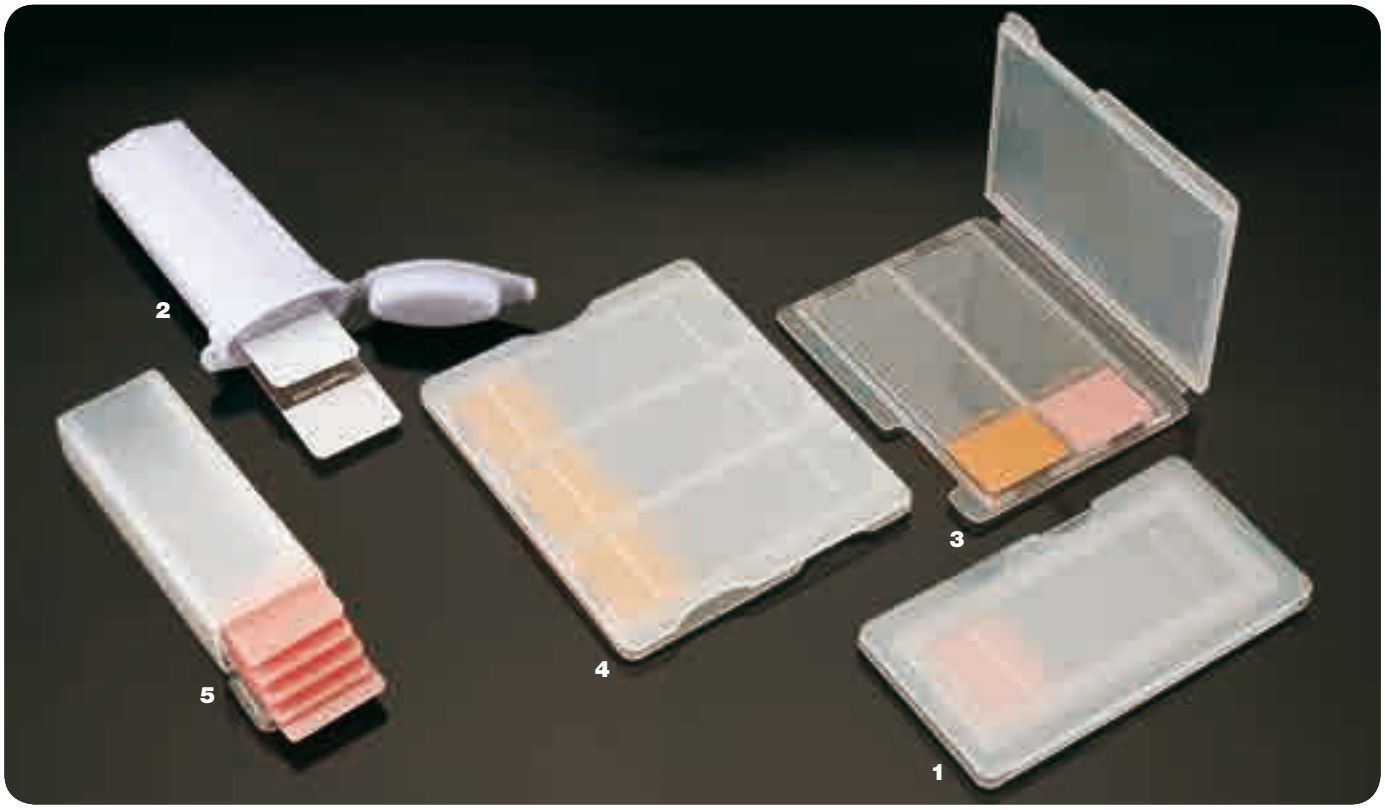
See our slides on pages 96-97

Slide trays

Material: polystyrene.
Stackable.

code	description	dimensions mm	case quantity	case weight	case volume
989910	slide tray for 10 slides	95x330x50	40	2.50	0.015
989920	slide tray for 20 slides	195x330x50	20	2.44	0.015





Slide mailer

Made of polypropylene.
Designed for slide transport and protection.
To send by mail we recommend to use special envelopes.
Compartment shape ensures tight fit: no risk of damaging slides. Easy snap-lock. but not indicated for liquid samples.

mod.	code	slide capacity	dimensions mm	case quantity	case weight	case volume
1	**19923**	1	80 x 40 x 6	50	0.33	0.002
2	**900025**	2	87 x 47 x 16	100	1.27	0.010
3	**979930**	2	84 x 71 x 6	250	3.98	0.010
4	**19924**	3	84 x 99 x 6	10	0.30	0.001
5	**900028**	5	82 x 17 x 29	100	1.02	0.012



Slide tube mailer

Tube in polypropilene for mailing, staining and storing of 4 standard slides.
Leakproof cap made of high density polyethylene in pink colour.
Incorporates a **tamper evident locking mechanism** that can be activated whenever user decides.
The cap has one space to insert a colour disc as identification (**40911A**, chapter 6. Tubes and microtubes).
Being transparent helps the user to notice if there are slides in it, an advantage in front of the popular white transparent tubes.
Internal volume: 12 ml.
Dimensions: 35 x 87 mm (external). Internal diameter: 27 mm

code	description	case quantity	case weight	case volume
19926	tamper evident tube	100	2.00	0.018

www.laboquimia.es



mod. 2, 3

A-Z
O-1

Slide storage boxes

Manufactured in ABS, beige or blue colour. Economical boxes to store or transport 25, 50 or 100 slides.
Safe closing and easy opening.
They include numbered sheets with a labeling space in the bottom of the case and in the inner side of the cover (excepting model 1, which does not include the one in the inner side of the cover).
Models 2 and 3 have a special modeling assuring a good stability when stacked.

mod.	code	slide capacity	stackable	minimum order quantity	dimensions mm	case quantity	case weight	case volume
1	**19276.B**	beige slide box for 25 slides		5	93 x 87 x 32	200	10.61	0.071
	19276.A	blue slide box for 25 slides		5	93 x 87 x 32	200	10.61	0.071
2	**19277.B**	beige slide box for 50 slides	✓	2	200 x 89 x 32	100	11.28	0.071
3	**19278.B**	beige slide box for 100 slides	✓	5	200 x 170 x 32	50	11.85	0.071
	19278.A	blue slide box for 100 slides	✓	5	200 x 170 x 32	50	11.85	0.071

Cylindrical slide mailer

Polypropylene. Ideal for storing and transporting 5 to 10 slides in complete safety.
The deep threaded container provides a leakproof seal for transport.

code	description	case quantity	case weight	case volume
19922	for 10 slides	10	0.33	0.0028





Slide storage boxes

Manufactured in polystyrene for 100 slides.
Capacity can be doubled if two slides are placed into the same cell. The internal cork lining prevents damage to stored slides.
To ensure proper slide identification, each slot is numbered to correspond to the slide inventory sheet on the inside cover of the box. Stackable.
This model feature has a safety closure.
Dimensions: 208 x 162 x 32.

code	description	case quantity	case weight	case volume
19278.2	red, for 100 slides	1	0.31	0.002
19278.3	white, for 100 slides	1	0.31	0.002



Microscope slide boxes

Made of high impact polystyrene, those boxes are designed for slides. Each slot is numbered and can be cross-referenced with the corresponding index card supplied with each box.
Boxes are virtually unbreakable. Stackable.
Dimensions mm: 230 x 97 x 35 (50 slides), 230 x 180 x 35 (100 slides).

code	description	case quantity	case weight	case volume
19277	for 50 slides	1	0.24	0.002
19278	for 100 slides	1	0.40	0.003



Slide boxes

Plain polyethylene slide box with clear polypropylene lid.
Not numbered.
Stackable.
Dimensions in mm: 105 x 88 x 32 (25 slides), 200 x 88 x 32 (50 slides)

code	description	case quantity	case weight	case volume
19276.1	for 25 slides	48	3.56	0.019
19277.1	for 50 slides	24	3.40	0.018

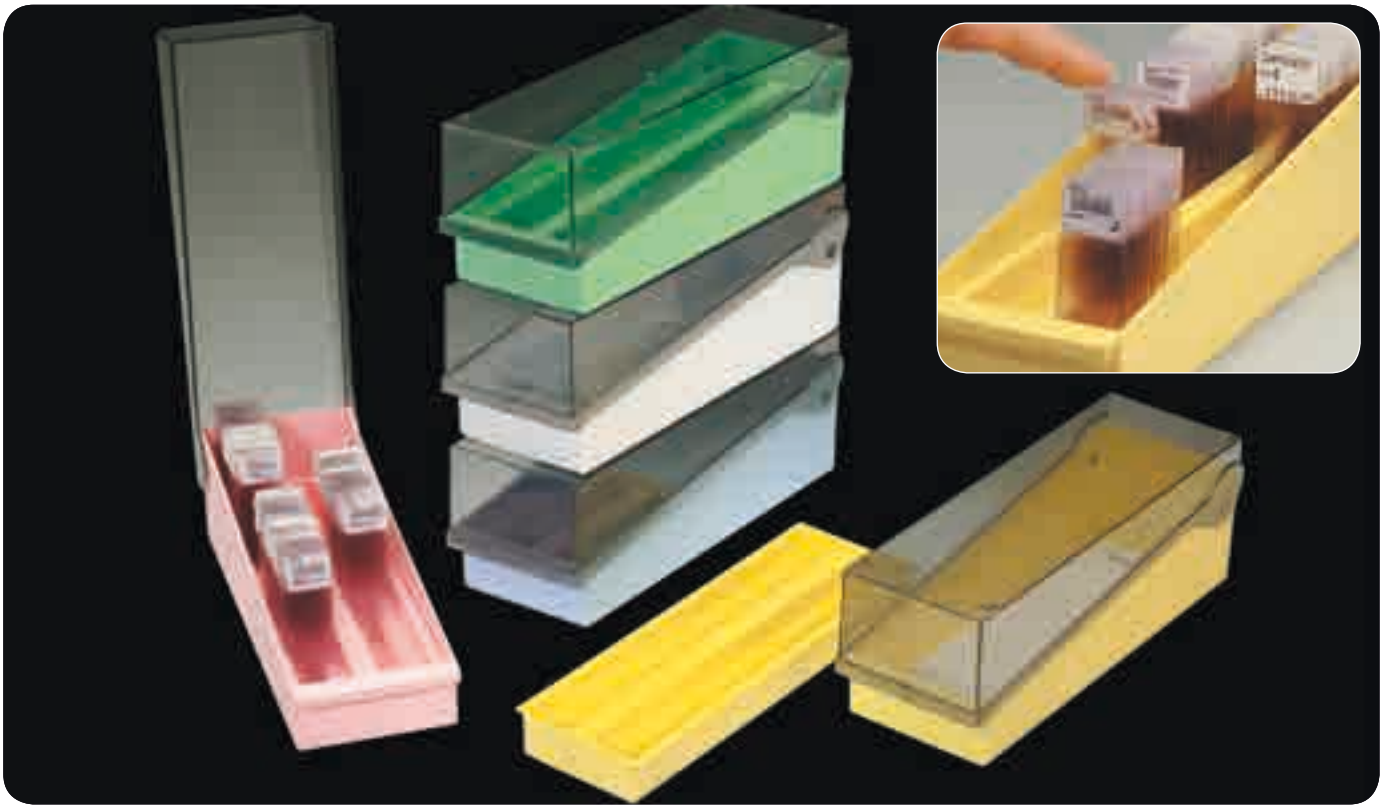


Automatic slide dispenser

Made of ABS and PS, this dispenser can hold up to 50 standard slides.Slides are dispensed individually by rotating the knurled knob on either side of the moulded base.

code	description	case quantity	case weight	case volume
19540	for 50 slides 26 x 76 mm	1	0.20	0.002

www.laboquimia.es



Slide storage system for 100 slides. Stackable

Made of high impact polystyrene. It can hold up to 200 standard slides.
Compound by a box with a transparent lid with an easy opening and an internal removable rack.
This removable rack is divided into two parts with 50 numbered slots in each one, so 100 slides can be separately placed and their strips can be read. For space saving purposes, you can double the amount of slides simply by storing 2 slides per slot, so each part can hold up to 100 slides resulting in a total capacity of 200 slides.
They can also be used without the internal rack, so the capacity reaches 400 slides.
Stackable. The internal rack allows discarding all the slides at the same time.
The frontal part of the box can be written.
External dimensions: 82 x 245 x 86 mm.

code	colour	case quantity	case weight	case volume
19279.5	blue	10	3.30	0.023
19279.7	green	10	3.30	0.023
19279.3	yellow	10	3.30	0.023

See minimum and delivery time for other colors.

Slide storage system for 50 slides. Stackable

Same characteristics as previous codes, it has half capacity. Each part of the inner rack can hold up to 25 separate slides with a total capacity of 50 slides, or for space saving purposes it has a total capacity of 100 slides by storing 2 slides in each slot.
External **dimensions**: 82 x 140 x 86 mm.

code	colour	case quantity	case weight	case volume
19274.5	blue	10	1.5	0.013
19274.7	green	10	1.5	0.013

Minimum order quantity: 1 storage system.







www.laboquimia.es

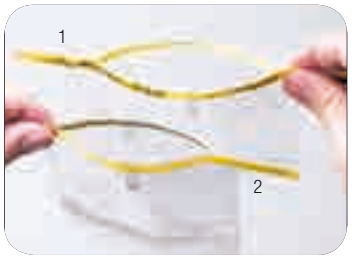


Whirl-Pak® bags with flat wires

Same features as those from the following page but with a flat thicker wire instead of rounded wire resulting in a safer closure, which is preferred in some markets.
With white write-on strip.
Steriles by ethylene oxide.

code	capacity ml	dimensions cm	thickness microns	case quantity	case weight	case volume
200356	540	11.5 x 23	64	500	2.18	0.0074

1. Rounded wire
2. Flat thicker wire



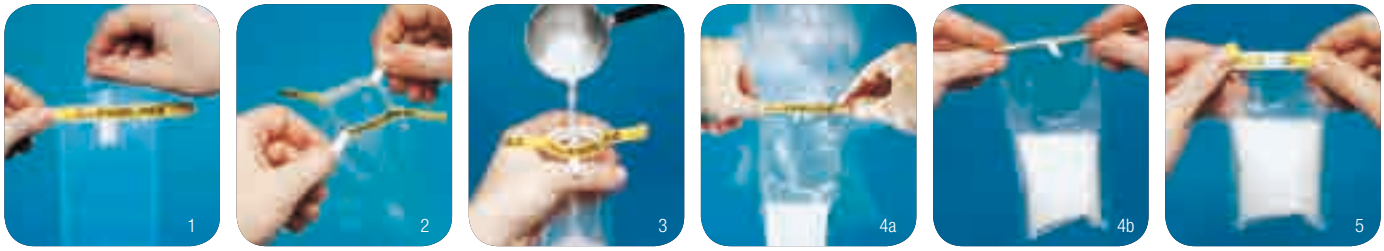


Whirl-Pak® stand-up bags

Same characteristics as Whirl-Pak® standard bags. However, they have a flat bottom which permits them to remain stand up when the sample is inside the bag.
This allows to have both hands free when working so you can add or to extract the content comfortably. No need of any rack.
Working as a beaker or bottle, when they are empty they take up much less space.
They have a write-on white strip.
Steriles by ethylene oxide.

code	capacity ml	dimensions cm	thickness microns	case quantity	case weight	case volume
200361	540	11.5 x 23	64	500	2.50	0.017
200365	2,070	19 x 38	102	250	4.52	0.019





1. Tear off top of bag along perforation.
2. Use pull tabs to open bag.
3. Place sample in bag.
4a. Hold bag by wire ends and whirl three times to close.
4b. Or, fold the tab over tightly three times to close (used to close larger bags).
5. Bend wire ends onto bag.

www.laboquimia.es

deltalab

Sterile Whirl-Pak®
sample bags

Made of a low density polyethylene blend, resulting in a very resistant and transparent bags. Suitable for both solid and liquid samples. The plastic thickness depends on the model (57 to 102 µ).
This special polyethylene blend makes unnecessary a higher thickness to achieve higher resistance. **Leakproof** closure by several metallic rounded sticks when you turn closure bands three times (see scheme).
The Whirl-Pak® bags are the unique bags with a one-piece seam, avoiding the possible risks of the loss of the corners bags.
Steriles by ethylene oxide.
Made with materials suitables for alimentary use.
Suitable for liquid nitrogen.



Without strips

code	capacity ml	dimensions cm	thickness microns	alimentary use	case quantity	case weight	case volume
200325	60	7.5 x 12.5	57	✓	500	0.84	0.005
200340	120	7.5 x 18.5	57	✓	500	1.06	0.005
200341	210	9.5 x 18	76	✓	500	1.50	0.005
200342	390	13 x 19	76	✓	500	2.50	0.017
200329	540	11.5 x 23	64	✓	500	2.04	0.007
200332	720	15 x 23	76	✓	500	2.94	0.017
200343	720	15 x 23	102	✓	500	3.88	0.017
200345	1,080	12.5 x 38	76	✓	500	3.90	0.017
200346	1,260	15 x 38	76	✓	500	3.92	0.017
200347	2,070	19 x 38	76	✓	500	5.76	0.017

Avec bande blanche pour identification

code	capacité ml	dimensions cm	épaisseur micron	alimentary use	quantité par carton	poids du carton	volume du carton
200326	60	7,5 x 12,5	57	✓	500	0.78	0.005
200349	120	7,5 x 18,5	57	✓	500	1.02	0.005
200364	390	13 x 19	64	✓	500	2.02	0.017
200330	540	11,5 x 23	64	✓	500	1.97	0.008
200333	720	15 x 23	76	✓	500	3.06	0.017
200351	1.650	19 x 30	102	✓	500	5.66	0.018
200363	2.070	19 x 38	76	✓	500	5.54	0.019
200357	2.700	25,4 x 38	102	✓	250	5.32	0.022
200358	3.600	25,4 x 50,8	102	✓	250	6.46	0.022
200359	5.400	38 x 50,8	102	✓	100	5.26	0.023

White strip bags. The bags capacity is the one achieved with the closing achieved following the instructions described above and the volumes are only approximated. Do not use temperatures up to 82 ºC. Made with materials suitables for alimentary use.
Non autoclavable.



See blender bags in Chapter 1. **Microbiology**



Zip-lock bags

Made of transparent polyethylene, very resistant to shocks and tearing. For all solid samples.
Suitable for laboratories (for tubes, swabs, etc.) as well as industries (to contain, spare pieces, small electronic components, buttons, sweets, etc.).
Made with materials suitables for alimentary use.

code	gauge	dimensions mm	case quantity	case weight	case volume
M 5555	200	55 x 55	2,000	1.17	0.0028
M 6080	200	60 x 80	2,000	1.41	0.0046
M 70100	200	70 x 100	2,000	1.63	0.0046
M 80120	200	80 x 120	2,000	2.64	0.0052
M 80160	200	80 x 160	2,000	2.88	0.0078
M 100150	200	100 x 150	2,000	3.96	0.0080
M 110110	200	110 x 110	2,000	3.10	0.0080
M 120180	200	120 x 180	2,000	4.64	0.0125
M 150220	200	150 x 220	2,000	7.02	0.0180
M 180250	200	180 x 250	2,000	9.16	0.0230
M 200300	200	200 x 300	2,000	11.52	0.0260
M 250330	200	250 x 330	2,000	14.91	0.0321
M 300400	200	300 x 400	2,000	22.00	0.0395



White strip zip-lock bags

Same features as the above products. Made with materials suitables for alimentary use.
Feature white strip for writing for better sample identification.

code	gauge	dimensions mm	case quantity	case weight	case volume
M 5555B	200	55 x 55	2,000	1.17	0.0028
M 6080B	200	60 x 80	1,000	0.70	0.0026
M 80120B	200	80 x 120	1,000	1.32	0.0038
M 70110B	200	70 x 110	1,000	0.98	0.0037
M 100150B	200	100 x 150	1,000	1.62	0.0044
M 120180B	200	120 x 180	1,000	2.40	0.0065
M 160220B	200	160 x 220	1,000	3.42	0.0099
M 180250B	200	180 x 250	1,000	4.58	0.0125
M 200300B	200	200 x 300	1,000	7.39	0.0190



Specimen transport kangaroo bags

For tube transport. Double pouch design: one for specimen tubes and the other for documents. Includes a safety seal.
Reclosable (zip-lock design). Dimensions: 16x16.5 cm.
Made of polyethylene.

code	colour	tickness My	case quantity	cases weight	case volume
V 160230	green	50	2 x 1,000	10.89	0.029
N 160230	orange	50	2 x 1,000	10.65	0.031

See blender bags in Chapter 1. **Microbiology**

www.laboquimia.es

Whirl-Pak® specimen transport kangaroo bag

Non-sterile bag made of a low density polyethylene blend, resulting in a **very resistant and transparent bag.**
Designed for both solid and liquid samples.
Leakproof closure with several metallic rounded sticks.
Double pouch design: one for specimen tubes and the other one for documents.
It features the biohazard symbol.
Bag with a **one-piece seam**, avoiding the possible risks of the loss of the corners bags.
Suitable for liquid nitrogen.

code	capacity ml	dimensions cm	thickness microns	case quantity	case weight	case volume
200372	720	15 x 23	64	500	3.38	0.017





Mailing container

Mailing container with safety screw blue cap, both manufactured in polyethylene. Leak proof.
Dimensions uncapped 117 x 30 mm. Ideal for 10 ml tubes. The tube includes a piece of absorbent paper to prevent from any leakage.
Container and cap are sold separately.

code	description	case quantity	case weight	case volume
401301	mailing container	500	7.70	0.090
401302	screw cap	500	1.90	0.010



Forceps

Made of **POM** (polyoxymethylene).
Colour: orange. Self-sprung forceps with rounded ends.
Code **19503**, the inner part of the tip is ribbed to enhance sampling. Ribbed for a better handling.
Autoclavable. Flexible.

code	length mm	case quantity	case weight	case volume
19500	115	5	0.23	0.0006
19501	145	5	0.05	0.0001
19503	250	5	0.18	0.0043

121°C





Slide mailers

Designed for slide transport and mailing.
Different models (tube, case, etc.) for one, two, three, four or even ten slides.

See more information in
Chapter 4. **Histology, microscopy and staining**



Containers for sampling

Polystyrene or polypropylene containers.
Volumes from 30 ml to 1,000 ml.

See more information in
Chapter 7. **Sample Containers**



Exam gloves

Wide range of single use gloves **AQL 1.5.**

Different options available:

- Powdered and non powdered latex.
- Powdered and non powdered vinyl.
- Non powdered nitrile.

CE EPI CE MDD

See more information in
Chapter 12. **Safety and general labware**



Swabs for microbiological sampling

Sterile swabs with or without transport media.
Tips made of viscose, cotton, polyester, etc.
Supplied in tube, peel pack, flow-pack, etc.
Transport media available:

- Amies with and without charcoal
- Stuart
- Cary Blair
- Virus
- Chlamydia

CE MDD

See more information in
Chapter 1. **Microbiology**





Autoclave resistant bags

Printed with the biohazard symbol and instructions of use.
Two versions available:

- Transparent and translucent, suitable for routine autoclaving.
- Red color, suitable for **autoclaving at 138 ºC**; they feature a sterilization indicator.

See more information in
Chapter 12. **Safety and general labware**

www.laboquimia.es

Cytology brush

Blue ABS shaft. For cervical specimen collection, designed for taking cell samples without damaging them.
Includes a soft tip to provide more comfort for patients.
Total length: 19.5 cm.
Sterile model is sterilised by ethylene oxide and includes instructions.

code		description	case quantity	case weight	case volume
440150		non sterile	50 x 50	3.55	0.009
440151	STERILE EO	individual peel-pack	2 x 500	3.90	0.029



Vaginal speculum

Manufactured in transparent polystyrene. Handle design that allows one-handed quick and convenient manner. Zip system for opening and closing. Aseptic. Rounded edges and ergonomically designed for single-handed use. Free of heavy materials as CE/94/62 directive.
Packaged individually with a peel-pack that facilitates the traceability and also indicates expiration date.
Available in 3 differents sizes.

code	shaft width mm	case quantity	case weight	case volume
440157	17	100	3.89	0.060
440158	30	100	4.10	0.060
440159	33	100	4.62	0.060



AYRE wood spatula

Rounded edges.
Sterile model is sterilised by **ethylene oxide** and includes instructions.
Total lenght 178 ± 5 mm.

code		description	case quantity	case weight	case volume
440142.0		non sterile	50 x 100	10.00	0.025
444150	STERILE EO	individual peel-pack	2 x 500	5.10	0.029



AYRE plastic spatula

Made of **autoclavable** polypropylene.
Rounded edges.
Sterile model is sterilised by **ethylene oxide** and include instructions.
Total lenght 179 ± 1 mm.

code		description	case quantity	case weight	case volume
440142		non sterile	5 x 500	7.00	0.025
444142	STERILE EO	individual peel-pack	2 x 500	4.60	0.029
444242	STERILE EO	individual flow-pack	2 x 500	4.90	0.029

Minimum ordening quantity: 500





Isothermal bags

Isothermal bags for the transport of biological samples, manufactured from PEVA, PE and polyurethane (foam). The isothermal bags have two functions: keeping the temperature of samples for 6 hours while being transported, whatever the climatic conditions; protecting the samples and their contents. Available in green.
Description: for added security, isothermal bags feature three different locks: by velcro (excepting 6 l model), by zip fastener and by a coded padlock.
Bags include the following elements:

- An inner pocket designed to hold the cold packs,
- A transparent outer pocket, at the front of the bag, for laboratory identification,
- A transparent pocket, over the top of the bag, to insert documents.
- Two cold packs (except **900073** which incorporates only 1) consisting of HDPE packs filled with a non toxic gel.

Before use, place cold packs in the freezer and keep at –20 ºC/–24 ºC for 24 hours.
Quality features:

- Bags manufactured from sturdy and shockproof materials.
- Stand out from other isothermal bags existing on the market for their lightness and convenience.
- Offer a total security seal thanks to padlock.
- Space-saving and supplied folded in to reduce volume by 50 %.
- To clean, simply use standard detergents.
- Corners are rounded and reinforced by a double seam. Handles are sewn all around the bag for increased strength.
- Isothermal bags are traditionally manufactured (non-automated production), and each product undergoes rigid quality controls.

code	internal dimensions mm	external dimensions mm	capacity	case quantity	case weight	case volume
900073	230x230x170	200x200x150	6	1	0.63	0.004
900074	220x220x260	200x200x240	10	1	1.17	0.010
900076	390x250x280	370x230x260	27	1	1.38	0.011
900078	450x300x300	430x280x280	40	1	1.51	0.014



Bottles for water sampling

Sterile bottles, designed according to ISO standards for sampling of consumption water. Available with thiosulfate (microbiological analysis) and without thiosulfate (physico-chemical analysis).

Bottles are available in polyethylene or PET.
Capacities vary from 500 to 1,000 ml.

Special configurations:

- Personalized labels,
- Individually bagged bottles,
- Special dosifications of thiosulfate,
- Other bottles or jars from the catalogue, etc.

See more information in Chapter 1. **Microbiology**



Squared containers, graduated up to 2.7 litres

High density polyethylene container and cap. Ideal for 24 hour urine collection and other liquid samples.
The ribbed cap features a pharmaceutical grade liner, which eliminates the need for an insert plug, allows a better handling and provides a watertight seal.
Containers are graduated in 50 ml increments up to 2.7 l.
Ergonomically designed for single-handed use. Stackable.
A ring on the neck of the containers avoids dripping when pouring.
Lenght x width: 130 x 126 mm (± 1 mm).
Height, cap excluded: 249 mm.
Individually wrapped models are supplied capped.
Cases per palet: 12.

code	body colour	cap description	presentation	individually wrapped	sterile	internal mouth Ø mm	case quantity	case weight	case volume
407005	natural	white, with liner	unscrewed	no	no	64	34	5.52	0.150
407005/T	natural	white, with liner	screwed	no	no	64	34	5.52	0.150
407005.O	natural	white, with liner	screwed	yes	STERILE R	64	34	5.52	0.152
407006	brown	white, with liner	unscrewed	no	no	64	34	5.52	0.154
407006/T	brown	white, with liner	screwed	no	no	64	34	5.52	0.150

5 and 10 ml freestanding, conical bottom tubes

Freestanding tubes with screw caps. Conceived for sampling, transport and midterm storage. Feature molded graduations at 1mL increments and a large surface for labeling and identification. Round bottom tubes made of **autoclavable** polypropylene, leakproof caps made of polyethylene.
Withstand temperatures between **122 ºC and –80 ºC** (**–40 ºC** as the lowest working temperature).
Certified to the **IATA 95kPA** standard for safe shipping of samples.

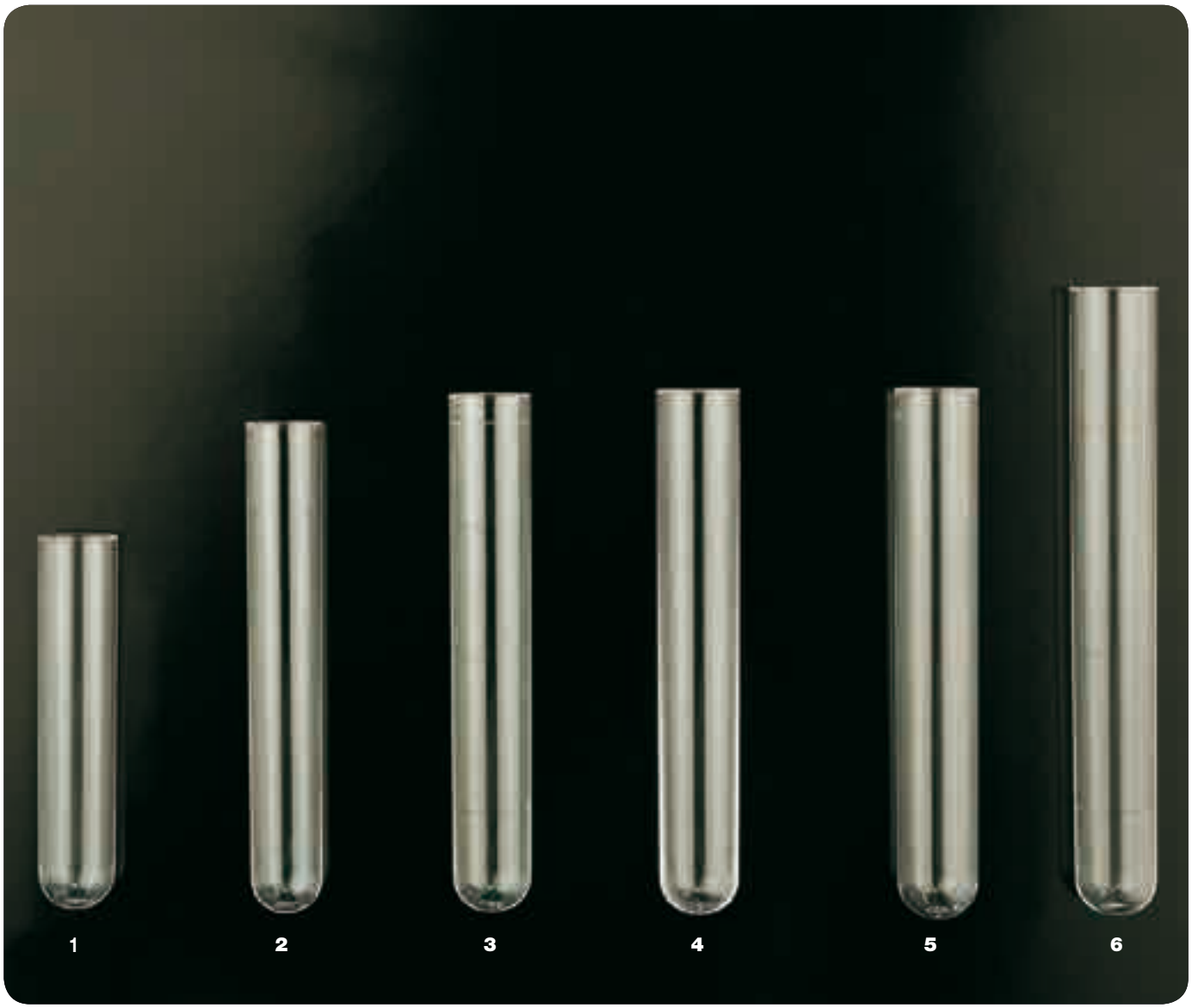


code	description	case quantity	case weight	case volume
439905	5 ml PP thread tube	500	5.45	0.032
439910	10 ml PP thread tube	2 x 500	6.35	0.055

code	external cap Ø mm	internal tube Ø mm	length with cap mm	length without cap mm
439905	15.8	14.17	60.20	58.62
439910	15.8	14.17	94.74	92.96







Round bottom polystyrene tubes

Manufactured from high technology, new generation moulds to ensure the reproducibility of each tube.
Tubes are made in one piece to ensure uniformity and dimensional accuracy from tube to tube.

mod.	code	dimensions mm	volume ml	case quantity	case weight	case volume	cases per pallet
1	**300500**	11 x 55	3	2 x 2,000	6.50	0.046	32
2	**300300**	11 x 70	4	3 x 1,000	6.20	0.045	32
3	**300800**	12 x 75	5	4 x 1,000	9.52	0.075	20
4	**300800.2**	12 x 75 thick wall	5	4 x 1,000	10.70	0.075	20
5	**300800.1**	12 x 75	5	4 x 1,000	9.75	0.072	20
6	**300400**	12 x 88	6	4 x 1,000	11.30	0.082	20

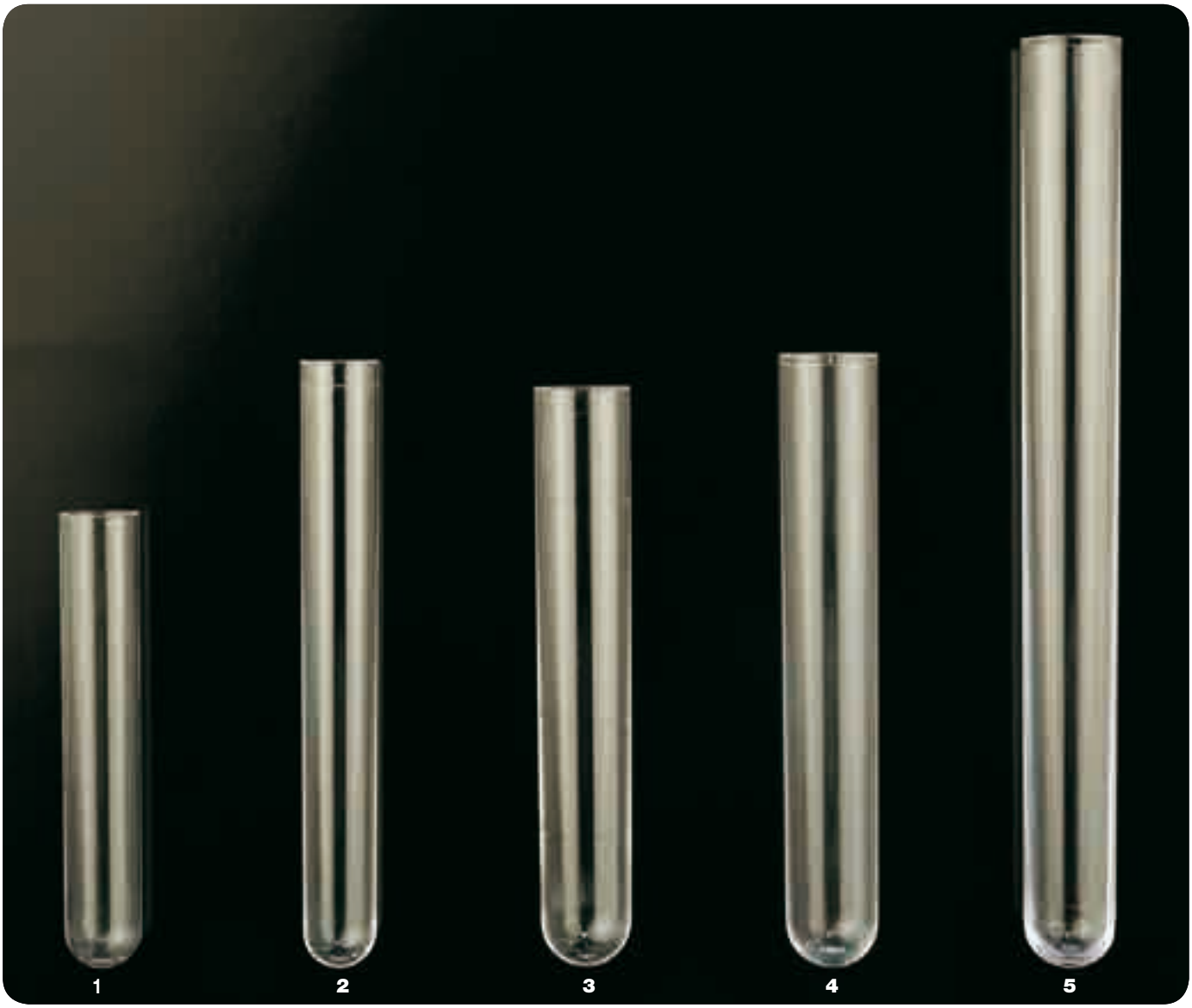
Codes **300800** and **300400** have graduation rings. Code **300800** (mod. 3) is graduated at 1, 2.5 and 4 ml; code **300400** (mod. 6) is graduated at 1, 2.5 and 5 ml.

Dimensions (±0,09)

code	internal diameter mm	external diameter mm	total length mm	maximum volume ml
300500	10	11.5	54.4	3.5
300300	9.1	10.8	69.4	4.0
300800	10.3	11.8	74.5	5.5
300800.1	10.2	11.8	74.5	5.5
300800.2	10	11.8	74.5	5.3
300400	10.4	12	87.6	5.9

Suitable for centrifugation up to 7,500 xg.
A complete range of test tube caps is detailed on page 125 of this catalogue.
All tubes are suitable for laboratory use.

www.laboquimia.es



Round bottom polystyrene tubes

Manufactured from high technology, new generation moulds to ensure the reproducibility of each tube.
Tubes are made in one piece to ensure uniformity and dimensional accuracy from tube to tube.

mod.	code	dimensions mm	volume ml	case quantity	case weight	case volume	cases per pallet
1	**300700**	13 x 75	5	4 x 1,000	13.04	0.082	20
2	**301700**	13 x 100	7	6 x 500	11.24	0.084	20
3	**300900**	16 x 95	10	5 x 500	12.10	0.096	16
4	**300705**	16 x 100	10	5 x 500	15.00	0.110	16
5	**300100**	16 x 150	17	1,000	9.84	0.093	20

Code **300900** (mod. 3) has graduation rings at 2.5, 5 and 10 ml.

Dimensions (±0,09)

code	internal diameter mm	external diameter mm	total length mm	maximum volume ml
300700	10.9	12.9	74.7	6.7
301700	11.0	12.9	99.6	8.3
300900	13.8	15.8	94.6	12.2
300705	13.8	16.0	99.8	13.2
300100	14.6	16.3	151.0	21.1

Suitable for centrifugation up to 7,500 xg. (excepting code **300100**, which does not withstand centrifugation).
A complete range of test tube caps is detailed on page 125 of this catalogue. All tubes are suitable for laboratory use.



Ultra clear polypropylene tubes

Manufactured from high technology, new generation moulds to ensure the reproducibility of each tube.
Tubes are made in one piece to ensure uniformity and dimensional accuracy from tube to tube.
Autoclavable up to **121 ºC**.

mod.	code	dimensions mm	volume ml	case quantity	case weight	case volume	cases per pallet
1	**400500**	11 x 55	3	2 x 2,000	6.50	0.046	32
2	**400800**	12 x 75	5	4 x 1,000	8.00	0.075	20
3	**400800.1**	12 x 75	5	4 x 1,000	8.00	0.075	20
4	**400700**	13 x 75	5	4 x 1,000	11.15	0.082	20
5	**400400**	12 x 88	6	4 x 1,000	9.60	0.082	20
6	**401700**	13 x 100	7	6 x 500	9.40	0.082	20
7	**400900**	16 x 95	10	5 x 500	10.10	0.096	16
8	**400705**	16 x 100	10	5 x 500	12.20	0.096	16
9	**401100**	15 x 50	5	5 x 1,000	10.40	0.082	20

Certain codes have graduation rings: **400800** (mod. 2): graduated at 1, 2.5 and 4.0 ml; code **400400** (mod. 5): graduated at 1, 2.5 and 5.0 ml; **400900** (mod. 7): graduated at 2.5, 5 and 10 ml; **401100** (mod. 9): graduated at 2.5 and 5 ml.

Dimensions (±0,09)

code	internal diameter mm	external diameter mm	total length mm	maximum volume ml
400500	9.9	11.4	53.9	3.4
400800	10.3	11.7	73.9	5.3
400800.1	10.2	11.7	73.9	5.3
400700	10.9	12.7	73.7	6.4
400400	10.3	11.9	86.9	5.8
401700	11.0	12.7	98.4	8.1
400900	13.7	15.5	93.7	11.9
400705	13.7	15.8	98.6	12.7
401100	13.7	15.5	48.9	6.5

Suitable for centrifugation up to 15,000 xg.
A complete range of test tube caps is detailed on page 125 of this catalogue.
All tubes are suitable for laboratory use.

www.laboquimia.es



Polystyrene tubes capped

Suitable for centrifugation up to 7,500 xg.

code	dimensions tube mm	height tube + cap mm	volume ml	case quantity	case weight	case volume	cases pallet
300702	13 x 75	83.4	5	2 x 1.000	7.92	0.045	32
300903	16 x 95	105.2	10	4 x 500	13.00	0.110	40
300907	16 x 100	109.6	11	4 x 500	15.41	0.110	12

Components:

code	tube		cap
300702	**300700**	**+**	**307107**
300903	**300900**	**+**	**308107**
300907	**300705**	**+**	**308107**



Polystyrene tubes, capped and labelled

Suitable for centrifugation up to 3,000 xg.

Dimensions of the label: 35 x 25 mm.

code	dimensions tube mm	height tube + cap mm	volume ml	case quantity	case weight	case volume	cases pallet
300704	13 x 75	83.4	5	2 x 1,000	7.50	0.046	40
300904	16 x 95	105.0	10	4 x 500	13,00	0.110	48
300908	16 x 100	110.4	11	4 x 500	14.00	0.096	16

Components:

code	tube		cap
300704	**300700**	**+**	**307107**
300904	**300900**	**+**	**308107**
300908	**300705**	**+**	**308107**

See Chapter 5.
Sampling and Transport.



Conical tubes

PP
mod. 2, 6, 8

Manufactured in polypropylene (PP) and polystyrene (PS).

mod.	code	autoclavable	dimensions mm	material	volume ml	case quantity	case weight	case volume	cases per pallet
1	**301200**		16 x 102	PS	12	5 x 500	12.92	0.096	16
2	**401200**	✓	16 x 102	PP	12	5 x 500	10.60	0.096	16
3	**301213**		17 x 105	PS	12	1,500	8.80	0.088	20
4	**301212**		17 x 105	PS	12	1,500	8.80	0.088	20
5	**301201**		16 x 100	PS	12	5 x 500	12.50	0.096	16
6	**401201**	✓	16 x 100	PP	12	5 x 500	10.20	0.096	16
7	**301202**		16 x 102	PS	12	5 x 500	12.90	0.096	16
8	**401204**	✓	16 x 100	PP	12	5 x 500	10.20	0.096	16

Codes **301200** (mod. 1), **401200** (mod. 2) and **401204** (mod. 8) have internal graduations.
Codes **301213** (mod. 3) and **301212** (mod. 4) are flared at their top for easy pouring and have a special sedimentation base.
Codes **301200** (mod. 1), **401200** (mod. 2) and **301202** (mod. 7) have an external rim.

Dimensions (±0,09)

code	internal diameter mm	external diameter mm	total length mm	maximum volume ml
• **301200**	14.5	19.1/16.4	100.8	12.9
• **401200**	14.4	18.8/16.2	99.8	12.5
• **301213**	15.4/19.2	17.1/19.2	105.1	16.5
• **301212**	15.4/19.2	17.1/22.0	105.0	16.4
301201	14.5	16.4	99.5	12.9
401201	14.4	16.2	98.4	12.5
• **301202**	14.5	19.1/16.4	100.8	12.9
401204	14.4	16.2	98.4	12.5

• External diameter of the rim.

All models are suitable for centrifugation.
PS tubes: **7,500 xg**; PP tubes: **15,000 xg**.
Except code **301212** and **301213** to **3,000 xg**.

www.laboquimia.es



Polyethylene caps

mod.	code	to fit tubes	bag quantity	bag weight	bag volume	yellow	natural	brown	malve	blue	green	red	black
						(to add at the end of the code)							
1	**3053**	**300500, 400500, 300800.2**	2 x 2,000	1.60	0.009		02	03	08		07	06	
2	**3058**	**300800, 400800, 300800.1, 300400, 400400, 400800.1**	2,000	1.76	0.007		02		08	05	07	06	09
3	**3071**	**300700, 301700, 400700, 401700, 300701, serial 300700.6**	2,000	1.50	0.007	01	02		08	05	07	06	09
4	**3072**	**300705, 300900, 400705, 400900, 401100, 300707**	2,500	3.00	0.018		02			05	07	06	
5	**3050**	**300705, 300900, 400705, 400900, 401100, 300907, 300904, 300908**	2,500	3.26	0.019		02		08		07		
6	**3081**	**300705, 300900, 400705, 400900, 401100, 300707, 300907, 300904, 300908**	2,500	5.00	0.023		02				07	06	
7	**3070**	**300100**	1,000	1.20	0.012							06	
8	**3055**	**301201, 401201, 301200, 401200, 301202, 401204**	2,500	4.00	0.018		02				07		
9	**3082**	**301201, 401201, 401204**	2,500	5.10	0.023		02			05			
10	**3066**	**301213, 301212**	1,500	1.28	0.012	01							
NEW 11	**705722**	**300705, 300900, 400705, 400900**	18x1,000	20.35	0.096							06	

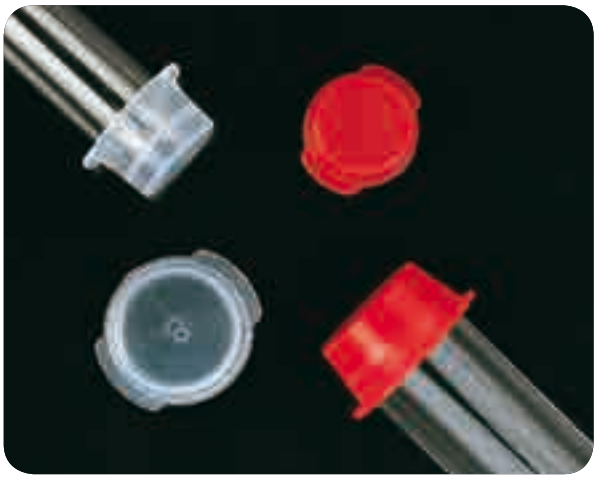
Ask for other colours.

Re-caps

Ideal for re-capping blood collection tubes «vacuum type».
Suitable for other glass and plastic tubes.
Manufactured in flexible polyethylene.
Easy to cap and remove.

code	description	case quantity	case weight	case volume
308502	Ø 12-13 mm natural colour	6 x 1,000	1.70	0.025
308506	Ø 12-13 mm red colour	6 x 1,000	2.18	0.025
308602	Ø 15,2-16 mm natural colour	6 x 1,000	3.31	0.025
308606	Ø 15,2-16 mm red colour	6 x 1,000	3.31	0.025

Other colours available on request, minimum order quantity is 6,000 units.



Please find racks for these tubes on Chapter 9. **Sample Storage**



General features of our caps:

3053 Internal diameter: 10.00 mm
External diameter: 11.85 mm
Total Length: 11.30 mm



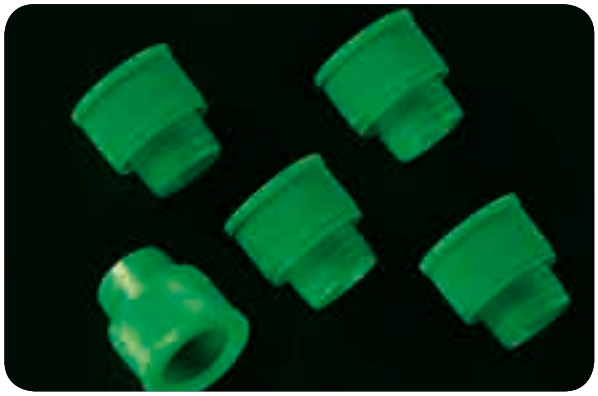
Includes a small internal chamber. Light-weighted.
Ergonomical. Ribbed for a better handling while using gloves.
Cap includes two internal ribs to clamp firmly on the tube. Leakproof.



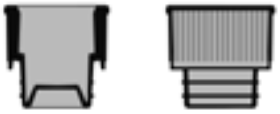
3003 Internal diameter: 9.25 mm
External diameter: 11.35 mm
Total length: 16.60 mm



Flat base. No chamber. Ribbed.
Cap includes three internal ribs to clamp firmly on the tube. Leakproof.



3058 Internal diameter: 10.60 mm
External diameter: 15.00 mm
Total length: 15.30 mm



Includes a small internal cavity designed to prevent possible drop spillage. Ergonomical.
Ribbed for a better handling while using gloves. Leakproof. Cap includes two ribs to clamp firmly on the tube. Top of the cap raised for easy-on, easy-off use and to avoid cap deformation from repeated removal.



Those three flange plug caps present significant advantages over other flange caps existing on the market, which are:

- a larger size, providing a larger surface for finger rest;
- flanges have a larger size than on other caps. More space between each flange increase the cap sealing qualities;
- a small internal cavity designed to prevent possible drop spillage;
- a raised top for easy-on, easy-off use and to avoid cap deformation from repeated removal;
- a ribbed surface;

Note on flange cap dimensions: using flange caps implies reducing tube capacity. If as much tube volume as possible is required, we recommend the use of those caps including a chamber, such as codes **3082**, **3050** and **3081**. To avoid possible liquid spillage on the benchtop, leave caps stand with flanges up.

code	internal Ø mm	external Ø mm	total length mm
3072	15.40	17.00	21.60
3055	14.50	17.05	21.77
3071	11.25	13.30	17.40



www.laboquimia.es

3050 Internal diameter: 13.95 mm
External diameter: 19.30 mm
Total length: 13.15 mm

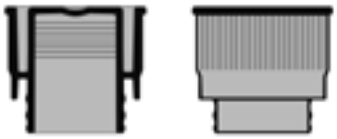




Includes an internal chamber for more liquid filling, thus compensating for the loss of space inside the tube caused by the insertion of a cap. Leakproof closing. Ergonomical. Ribbed surface. Cap shape is slightly conical for a better handling.
Also features an external flap so as to:

- avoid contact between liquid and fingers when opening the tube,
- prevent dripping when cap is left on the benchtop,
- provide easy single-handed opening,
- offer a cap specially designed to fit our range of blood collection tubes, diameter 15 mm.

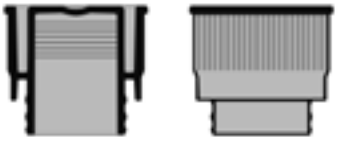
3081 Internal diameter: 13.80 mm
External diameter: 19.88 mm
Total length: 19 mm





One of the caps offering the largest chamber on the market, thus compensating for the loss of space inside the tube caused by the insertion of a cap. Leakproof closing.
This cap allows an almost complete filling of the tube and eliminates the need for a fill-in line.
Ribbed for a better handling while using gloves.
The inner part of the cap, long-sized, consists of three rings to ensure a tight, safe leakproof closing. Top of the cap raised for easy-on, easy-off use and to avoid cap deformation from repeated removal. Ideal for use with urine.
To avoid possible liquid spillage on the benchtop, leave caps stand with flanges up.

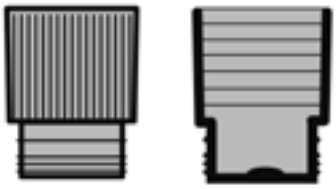
3082 Internal diameter: 14.55 mm
External diameter: 20.45 mm
Total length: 18.50 mm





It has the same characteristics than the previous cap.

3070 Internal diameter: 14.80 mm
External diameter: 19.20 mm
Total length: 25.35 mm





Ribbed for a better handling while using gloves.
No chamber. Leakproof. Includes four internal rims to clamp firmly on tube.
Reversible cap: use it as a watertight seal, or invert it for use in its “re-cap” position, as a simple closure, when no leakproof seal is required.

3066 External diameter: 23.30 mm
Total length: 5.90 mm

Light-weighed. Includes a lifting tab for easy opening.







PP
mod. 3, 4

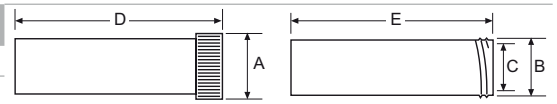
EUROTUBO® 12 ml screw cap tubes, round bottom

Made of **autoclavable** (**121 ºC**) transparent polypropylene or polystyrene. Green cap made of high density polyethylene. Dimensions: 15 x 102 mm. The external skirt allows the tubes to remain **free-standing.** Supplied screwed. Recommended volume: 12 ml. The sterile model (ethylene oxide) is supplied individually in flow-pack bag, with indication of batch, expiration date, etc.
According to the guidelines for sterile products. Resistance to centrifugation: **PS: 7,500 xg. PP: 15,000 xg.**
Attention: For autoclaving, the cap should be loose on the thread and not tightly fitted.

mod.	code	description	autoclavable	sterile	maximum volume ml	volume recom. ml	case quantity	case weight	case volume	cases pallet
1	**301403**	polystyrene		no	14.4	12	6 x 250	12.90	0.082	20
2	**301402**	polystyrene individually wrapped		STERILE EO	14.4	12	6 x 250	13.40	0.096	16
3	**401402**	polypropylene individually wrapped	✓	STERILE EO	14.2	12	6 x 250	12.03	0.096	16
4	**401403**	high transparency polypropylene	✓	no	14.2	12	6 x 250	11.11	0.082	20

Dimensions (±0,09):

code	external cap Ø mm A	external tube Ø mm B	internal tube Ø mm C	length with cap mm D	length without cap mm E
301402, 301403	20.9	16.3	14.4	103.9	102.5
401402, 401403	20.9	16.2	14.3	102.9	101.5





Sterile culture tubes in polystyrene

Tubes supplied with either a two position ribbed polyethylene cap, which can be left loose for aerobic work or sealed for anaerobic cultures.
They are biologically inert, exempt from mold release agents, and withstand up to **1,400 xg** and **70 ºC**.
Packaged in self-standing resealable zip-lock bags of 125 units.

code	dimensions mm	case quantity	case weight	case volume
300807	12 x 75	8 x 125	4.24	0.033
300808	17 x 100	8 x 125	7.14	0.060


Loose position for aerobic work


Sealed position for anaerobic cultures

www.laboquimia.es

deltalab



15 ml and 50 ml centrifugal tubes

Made of polypropylene, suitable for both clinical and research applications.
DNAsa, RNAsa and pyrogen free. They are also free from natural rubber and heavy metals.
High transparency of the material for a clear visualization during experiments specially for molecular biology and animal tissue culture.
Tube and cap designed with the system of flat threads for a complete leakproof.
Highly smooth hydrophobic surface for minimum disturbance during centrifugation.
Silk-screen blue graduation in the tube and large white frosted portion for easy writing.
Autoclavable at 121 ºC.
Centrifugation resistance: **14.000 xg**, except code **429931: 7.000 xg** and codes **429950, 429951: 3.500 xg**
It is recommended to use adapters to centrifuge and avoid malformations.
Available models: 15 ml non-skirted and 50 ml skirted and non-skirted.

code	description	presentation	sterile	case weight	case volume	cases per pallet
15 ml tubes						
429940	non-skirted tube	500 tubes in bulk	NO	500	4.50	0.0281
429945	non-skirted tube	20 bag to 25 tubes.	NO	500	4.50	0.0281
429942	non-skirted tube	20 bag to 25 tubes.	STERILE R	500	4.02	0.0300
50 ml tubes						
429930	non-skirted tube	20 bag to 25 tubes.	NO	500	7.70	0.0844
429931	non-skirted tube	20 bag to 25 tubes.	STERILE R	500	7.44	0.0820
429950	skirted tube	20 bag to 25 tubes.	NO	500	8.80	0.0844
429951	skirted tube	20 bag to 25 tubes.	STERILE R	500	8.38	0.0820



15 ml and 50 ml conical high resistance tubes. Sterile

Tubes made of transparent, copolymer polypropylene.
Green caps made of polyethylene with an internal liner which ensures leakproofness.
Tubes feature a solvent resistant white panel and black graduations for use both for clear or dark samples.
DNAse, RNAse, endotoxins and metal free.
They are **sterile by radiation** and withstand temperatures down to **–90 ºC** (15 ml) and **–80 ºC** (50 ml)..
Resistance to centrifugation: **17,000 xg** (15 ml) and **20.000 xg** (50 ml).
Autoclavable tube (the liner of the cap is not autoclavable)
Supplied in bags of 50 units.
Bags are printed with instructions for use and feature a double closure: a first tamper evident seal that helps guaranteeing sterility, and a secondary zip-lock, resealable closure.

	code	presentation	capacity ml	dimensions mm	case quantity	case weight	case volume
1	**409920**	bag 50 units	15	17 x 118	10 x 50	4.12	0.035
2	**409922**	bag 50 units	50	29.6 x 114.6	10 x 50	8.07	0.076



5 and 10 ml freestanding, conical bottom tubes

Freestanding tubes with screw caps. Conceived for sampling, transport and midterm storage. Feature molded graduations at 1 ml increments and a large surface for labeling and identification. Round bottom tubes made of **autoclavable** polypropylene, leakproof caps made of polyethylene.
Withstand temperatures between **121 ºC and –80 ºC** (–40 ºC as the lowest working temperature).
Certified to the **IATA 95kPA** standard for safe shipping of samples.

code	description	case quantity	case weight	case volume
439905	5 ml PP thread tube	2 x 500	5.45	0.032
439910	10 ml PP thread tube	2 x 500	6.35	0.055

Dimensions (±0,5):

code	external cap Ø mm	internal tube Ø mm	length with cap mm	length without cap mm
439905	15.8	14.17	60.20	58.62
439910	15.8	14.17	94.74	92.96

www.laboquimia.es



EUROTUBO® 15 ml and 50 ml conical tubes

Tubes made of transparent polypropylene, conical bottom. Suitable for centrifugation tests in immunology laboratories, microbiology, etc.
With continuous thread and molded external graduation each 0.5 ml in 15 ml tubes, and each 5 ml in 50 ml tubes.
Blue polyethylene cap with internal elastic obturation to assure an hermetical closure.
Resistance to centrifugation:
15 ml tubes, non sterile models until **7.000 xg**, sterile models **5.000 xg.**
50 ml tubes, non sterile models until **12.000 xg**, sterile models **7.000 xg**.
Sterile models are not suitable for autoclaving.
Non sterile models are **autoclavable at 121 °C,** with the cap positioned on the thread but uncapped.
50 ml tubes have skirted and non skirted models.

code	description	sterile	external cap Ø mm	internal tube Ø mm	external tube Ø mm	length with cap mm	case quantity	case weight	case volume	cases per pallet
15 ml conical tubes										
429910	non sterile	no	20.9	14.35	17	120	500	3.80	0.030	54
429920	100 units in bag	STERILE R	20.9	14.35	17	120	5 x 100	3.90	0.029	54
429946	individualy bagged	STERILE R	20.9	14.35	17	120	500	3.96	0.040	40
50 ml conical tubes										
429900	non skirted	no	34.4	27.2	29.5	117.5	500	7.80	0.072	20
429900SP	non skirted, unscrewed cap	no	34.4	27.2	29.5	117.5	500	7.90	0.082	20
429901	skirted	no	34.4	27.2	29.5	117.5	500	8.50	0.082	20
429926	non skirted, individually wrapped	STERILE R	34.4	27.2	29.5	117.5	500	8.20	0.082	20
429926.25	non skirted, bag 25 units	STERILE R	34.4	27.2	29.5	117.5	20x25	8.30	0.082	20
429926.10	non skirted, bag 100 units	STERILE R	34.4	27.2	29.5	117.5	5x100	7.90	0.082	20
429927	skirted, individually wrapped	STERILE R	34.4	27.2	29.5	117.5	500	8.80	0.082	20
429927.25	skirted, bag 25 units	STERILE R	34.4	27.2	29.5	117.5	20x25	8.80	0.082	20
429927.10	skirted, bag 100 units	STERILE R	34.4	27.2	29.5	117.5	5x100	8.50	0.082	20







GLASS TUBE RANGE

The high quality of our range of disposable glass culture tubes and screw threaded tubes is reflected in the uniformity of their wallthickness, shape of their bottoms, close tolerances, well formed bottoms and well moulded screw-neck.
All of our tubes are fully annealed at temperatures above **500 ºC** to eliminate contamination, reduce breakage and increase strength.
The majority of our tubes are packaged in plain outer cases.
Each tube is polished individually.

Culture tubes:
They are available in either borosilicate or soda lime glass. Both glasses differ primarily in their chemical composition and their chemical resistance.

Borosilicate glass is a type of glass with a higher resistance to thermal shock. For this reason borosilicate glass is more suitable when tubes are intended to be heated or cooled rapidly.

Soda lime glass is a more economical alternative and suits for most culture medium,bacteriological and laboratory applications where the tube will not be subjected to extreme temperature changes.

Screw-neck tubes are ideal for tissue culture and general bacteriological work. Tubes are supplied with standard GPI finishes.

The screw – neck vials are made of borosilicate glass and are basically used for diagnosis, pharmaceutics, chemicals, laboratory analysis, storage of liquids and powders. The caps presented are manufactured in autoclavable polypropylene with internal silicone joint.

Different packagings are available, depending on the model of tube:

Boxes: sturdy cardboard boxes. Each box contains small shrink-wrapped cases. Tubes are presented horizontally.

Trays: sturdy shrink-wrapped cardboard trays. Tubes are presented vertically.

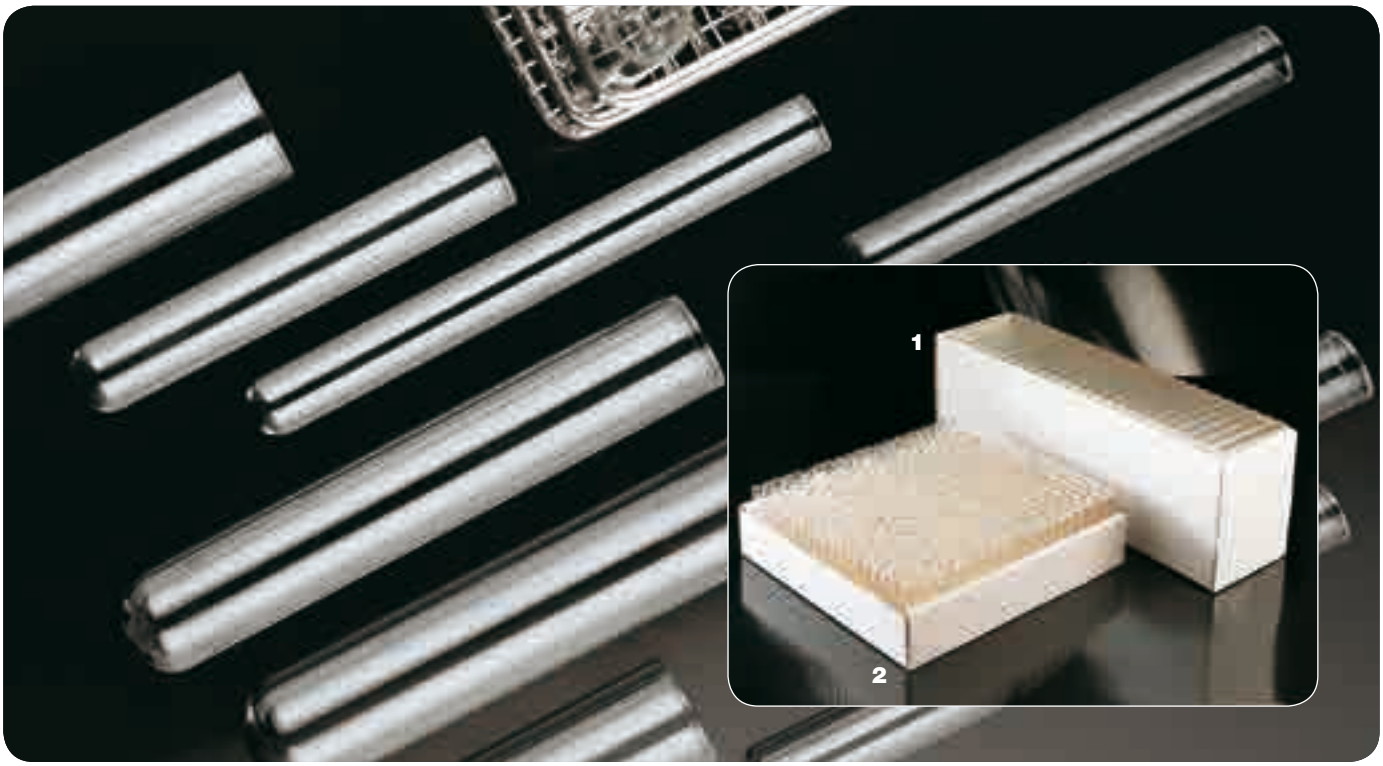


Culture tube cap

Made of polypropylene, **autoclavable** up to **121 ºC**.
Suitable with codes **916100, 816100, 916150, 816150** and **816160**.
Vented caps (with inner flats).
Recommended for glass tubes.

code	recommended for tubes Ø mm	colour	case quantity	case weight	case volume
617402	16	natural	4 x 1,000	5.15	0.059





Round bottom glass tubes

121°C

Made of **borosilicate** or **soda** glass.
The high quality of those tubes is reflected in the uniformity of their wall thickness and of their diameter and height dimensions.
Supplied in small quantities per case for a more convenient use in laboratory.

code soda	total capacity ml	Ø int. mm tube	Ø ext. mm tube	height mm	thickness mm	case quantity	case weight	case volume
Supplied in boxes (1)								
801075	4	8.20	9.75	75	0.60	4 x 250	3.60	0.010
801275	6	10.20	11.60	75	0.60	4 x 250	4.50	0.013
813100	10	11.10	12.70	100	0.60	4 x 250	6.59	0.022
816100	15	13.95	15.75	100	0.60	4 x 250	9.10	0.034
816150	22	13.55	16.00	150	0.70	4 x 250	13.60	0.049
816160	27	14.40	16.00	160	0.55	500	5.50	0.018
818150	28	15.00	18.00	150	0.85	2 x 250	7.30	0.030
820150	34	17.20	20.00	150	0.85	100	1.92	0.006
820200	47	17.15	19.25	200	0.85	250	6.30	0.020
Supplied in trays (2)								
801175T	6	10.10	11.60	75	0.50	550	1.89	0.005

code boro	total capacity ml	Ø int. mm tube	Ø ext. mm tube	height mm	thickness mm	case quantity	case weight	case volume
Supplied in boxes (1)								
901075	4	8.20	9.75	75	0.60	4 x 250	3.60	0.010
901275	6	10.20	11.60	75	0.60	4 x 250	4.50	0.013
913100	10	11.10	12.70	100	0.60	4 x 250	6.59	0.022
916100	15	13.95	15.75	100	0.60	4 x 250	9.10	0.034
916150	22	13.55	16.00	150	0.70	4 x 250	13.60	0.049
918150	28	15.00	18.00	150	0.85	4 x 125	7.30	0.040



Screw threaded glass tubes

Made of **borosilicate** or **soda glass.** The high quality of those screw threaded tubes is reflected in the uniformity of their wall thickness and of their diameter and height dimensions.
Supplied in small quantities per case for a more convenient use in laboratory.
Tubes are supplied without caps. To order caps see below.
Polypropylene caps are designed for the round bottom tubes.
Aluminium caps are designed for flat bottom tubes.

code	total capacity ml	screw	Ø int. mm tube	Ø ext. mm tube	height mm	thickness mm	case quantity	case weight	case volume	suitable cap
Round bottom borosilicate tubes, supplied in boxes.										
713100	5	13 - 415	10.65	12.75	100	1.00	4 x 250	9.56	0.021	**617100**
716100	11	15 - 415	14.00	16.00	100	1.05	4 x 250	12.36	0.033	**617200**
716125	14	15 - 415	14.00	16.00	125	1.05	4 x 250	14.91	0.045	**617200**
716150	18	15 - 415	14.00	16.00	150	1.05	4 x 250	17.42	0.047	**617200**
720150	34	18 - 415	17.70	20.00	150	1.15	4 x 125	11.80	0.036	**617300**
Flat bottom soda glass tubes supplied in trays.										
617145	24	15 - 415	14.20	17.75	144.5	1.05	252	5.54	0.010	**617000**



Screw caps for the above tubes

For round bottom borosilicate glass tubes, choose **polypropylene caps (black colour).**
For flat bottom soda glass tubes, choose **aluminium** caps, with an internal liner made of caoutchouc.
Pharmaceutical quality.
Both models of caps are fully **autoclavable**.

code	suitable tube	type of cap	bag quantity	bag weight	bag volume
617000	**617145**	aluminium	500	0.76	0.003
617100	**713100**	polypropylene	1,000	0.86	0.005
617200	**716100 / 716125 / 716150**	polypropylene	1,000	1.50	0.007
617300	**720150**	polypropylene	500	1.03	0.012

www.laboquimia.es



Flat bottom screw threaded vials

Made of ultra clear borosilicate glass. Fully **autoclavable**.
Supplied in trays individually shrink-wrapped. Thickness: 1 mm. Caps are supplied separately. To order caps see below.

mod.	code	dimensions mm	volume ml	screw	tray quantity	tray weight	tray volume	suitable cap
1	**900204**	15 x 45	4	13-425	100	0.30	0.0010	**917000**
2	**900205**	18 x 50	5	15-425	250	1.82	0.0042	**918000**
3	**900211**	22 x 48	10	18-400	100	0.94	0.0024	**922000**
4	**900212**	19 x 65	12	18-400	100	1.10	0.0020	**922000**
5	**900220**	28 x 65	20	22-400	2 x 150	2.70	0.0100	**928000**
6	**900225**	28 x 70	24	22-400	100	1.52	0.0057	**928000**

Caps for the above vials

Made of **autoclavable** polypropylene. Black caps feature an internal silicone joint.

letter	code	screw	bag quantity	bag weight	bag volume
A	**917000**	13-425	100	0.11	0.0003
B	**918000**	15-425	250	0.32	0.0006
C	**922000**	18-400	250	0.53	0.0026
D	**928000**	22-400	300	0.98	0.0062

Racks for containers up to 23 mm Ø

Made of stainless steel. 25 mm square holes.
Features a strong woven mesh base.

code	large x width x height mm	tubes capacity	quantity	weight	volume
D-200	265 x 265 x 85	100 (10 x 10)	1	0.50	0.0078
D-230	219 x 166 x 85	48 (8 x 6)	1	0.26	0.0042
D-240	165 x 110 x 85	24 (6 x 4)	1	0.16	0.0020
D-250	111 x 84 x 85	12 (4 x 3)	1	0.10	0.0013



See other racks for tubes in Chapter 9. **Sample Storage**



0.4 ml microtubes, Beckman® type

Manufactured in polyethylene.
Dimensions: 5.50 x 47.50 mm (Ø x h), capped.
Withstand centrifugation up to **11.000 xg** and can be used at temperatures from **–10 ºC** to **130 ºC**.

code	description	case quantity	case weight	case volume
900007	**Beckman®** type microtube 0.4 ml	18 x 1,000	11.32	0.070

See our wide range of racks for microtubes in Chapter 9. **Sample Storage**



0.5 ml microtubes, Vitatron® type

Manufactured in polypropylene.
Autoclavable. Graduated.
Easy handling caps: they can be opened and closed with one hand.
Will withstand centrifugation up to: **14,000 xg**.
Dimensions: 7.87 x 31.8 mm (diameter x height) capped.

code	description	case quantity	case weight	case volume
900118	**Vitatron®** type microtube 0.5 ml	12 x 1,000	7.00	0.052



0.5 ml microtubes, Vitatron® type

Made of **autoclavable** polypropylene. Ideal for little sample volumes, microtechniques, microsedimentation, etc.
Suitable for transport, storage and freezing of biological samples.
Watertight closing system.
Easy handling caps: they can be opened and closed with one hand.
Easily pierceable.
Will withstand centrifugation up to **11,000 xg**.
The rim in the inner part of the cap assures an optimum watertightness.
Resist temperatures from **–10 ºC** to **130 ºC**.
Dimensions: 7,50 x 31,25 mm (Ø x h) capped.

code	description	case quantity	case weight	case volume
900117	**Vitatron®** type microtube 0.5 ml	14 x 1,000	7.30	0.069

www.laboquimia.es

deltalab

0.5 ml microtubes

Made of ultra clear polypropylene.
Autoclavable.
Tubes have a frosted writing surface on side and on closure for better sample identification. Caps are easy to handle and can be opened and closed with one hand. Lids are easily pierceable. Tubes have moulded-in graduations in 100 ul increments from 0.1 to 0.6 ml.
Withstand centrifugation up to **17,000 xg**.
Dimensions: 30 x 8 mm. Can be used from **–80 ºC** to **121 ºC**.
RNAse, DNAse and PCR inhibitors free.
Model **4092.1NS,** with a low adhesion surface, is specially designed for research procedures such as protein work and nucleic acid amplifications.
Made from special resins to minimise liquid retention and ensure optimum sample yield, thus eliminating the use of lubricants that may be harmful to samples.
The proprietary formulation is completely **non-reactive.**

code	description	case quantity	case weight	case volume
4092.1N	natural graduated	10 x 1.000	7.28	0.053
4092.1NS	low adherence natural graduated	10 x 500	3.42	0.028



Standard 1.5 ml microtubes

Made of ultra clear polypropylene. **Autoclavable**.
Attached flat caps.
Tubes can be easily opened and closed with one hand. Ideal for the storage and freezing of any kind of biological material (cells, sperm, bacteria, etc.).
Can be used at temperatures down to **–100 ºC**.
Withstand centrifugation up to **21.000 xg** equivalent to **15.000 rpm.**

code	dimensions Ø x h mm	colour	case quantity	case weight	case volume
200400	10.86 x 39.06	natural	5 x 1,000	5.40	0.051
200401	10.86 x 39.06	yellow	5 x 1,000	5.40	0.051
200405	10.86 x 39.06	blue	5 x 1,000	5.40	0.051
200407	10.86 x 39.06	green	5 x 1,000	5.40	0.051
200410	10.86 x 39.06	pink	5 x 1,000	5.40	0.051



1.5 ml microtubes

Manufactured in polypropylene. **Autoclavable**.
Easy opening and closing.
Graduated tube.
It features a frosted area for writing. Flat cap.
Will withstand centrifugation up to: **12,500 xg.**

code	dimensions Ø x h mm	case quantity	case weight	case volume
200400P	10.2 x 39.9	12 x 500	6.60	0.049





1.5 ml safety lock microtubes

Made of ultra clear polypropylene. Feature a special “snap-seal” secure lock.
A special locking clasp with a distinctive audible snapseal design ensures tubes will not open during centrifugation. Tubes have a frosted writing surface on side and on attached closure for better sample identification.
Caps are easy to handle and can be opened and closed with one hand. Lids are easily pierceable. Tubes have moulded-in graduations in 0.5 ml increments.
Autoclavable.
Withstand centrifugation up to **15,000 xg.**

code	dimensions Ø x h mm	case quantity	case weight	case volume
4092.4N	11 x 39	10 x 500	7.00	0.0046



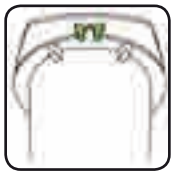


Premium 1.5 microtube. Safety lock

Same features as code **4092.4N** besides is **free of DNA, DNase, RNase and pyrogens**.
Autoclavable. Can be used from **–90 ºC** to **121 ºC.**
Withstand centrifugation up to **20,000 xg.**

code	dimensions Ø x h mm	case quantity	case weight	case volume
4092.5N	11 x 39	10 x 500	5.76	0.055





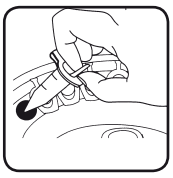


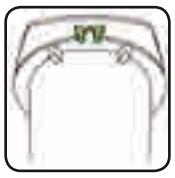
1.5 microtubes with secure lock pick-up tab

Same characteristics as code **4092.5N** but these microtubes include a pick-up tab for easier handling without actually touching the tube.
Pierceable cap.
Withstand centrifugation up to **17,000 xg.**
Autoclavable.
Withstand temperatures from **–175 ºC** to **121 ºC**.

code	colour	case quantity	case weight	case volume
4091.1N	natural	10 x 500	4.94	0.045







1.5 ml graduated microtubes

Made of ultra clear polypropylene.
Autoclavable.
Feature a frosted writing surface on side and on closure for better sample identification. Caps are easy to handle and can be opened and closed with one hand. Lids are easily pierceable.
Can be used from **–170 ºC** to **121 ºC.**
Dimensions: 39 x 11 mm.
Caps specially designed to reduce popping when centrifugation, freezing, boiling, storing or shipping is required.
- when the objective is to avoid liquid remaining on the wall of the tube, just push the cap slightly and a little centrifugation time is required.
- when centrifugation is required, push the cap firmly to achieve complete closure.

Tubes withstand centrifugation up to **20,000 xg.**

code	colour	case quantity	case weight	case volume
4092.2N	natural	10 x 500	6.82	0.048

Other colours under request.



1.5 ml microtubes. DNASE, RNASE free

Made of ultra clear polypropylene. **Autoclavable**.
Attached flat caps.
Graduated from 100 µl.
Tubes can be easily opened and closed with one hand. Ideal for the storage and freezing of any kind of biological material (cells, sperm, bacteria, etc.).
Can be used at temperatures from **–90 ºC** to **121 ºC**.
Withstand centrifugation up to **20,000 xg.**
DNAse, RNAse, DNA and PCR inhibitors free.
Dimensions (Ø x h): 10.7 x 39.1 mm.

code	description	case quantity	case weight	case volume
4092.3N	natural colour	10 x 500	6.77	0.054
4092.3NS	natural colour, clear siliconised	10 x 250	3.70	0.026



2 ml microtubes with attached caps

Made of ultra clear polypropylene.
Autoclavable.
Certified RNAse and DNAse free.
Feature a frosted writing surface on side and on closure for better sample identification.
Easy handling: tubes can be opened and closed with one hand.
Lids are easily pierceable.
Tubes have moulded-in graduations in 100 µl increments up to 2 ml.
Dimensions: 9 x 40 mm.
Can be used at temperatures from **–90 ºC** up to **121 ºC.**
Withstand centrifugation up to **17,000 xg.**
Model **4092.6NS** has a low adhesion surface for special applications such as protein work.

code	description	case quantity	case weight	case volume
4092.6N	natural colour	10 x 500	7.27	0.053
4092.6NS	natural colour, clear siliconised	10 x 250	4.09	0.036

Minimum order quantity: 500 and 250 units respectively.







2 ml graduated microtube

Microtubes made of ultra clear polypropylene. **Autoclavable**.
2 ml graduated tubes with frosted area for writing.
Flat cap that features a secure lock with safety shield.
Easy handling with just one hand.
They can be used at temperatures from **–20 ºC** up to **121 ºC**.
Withstand centrifugation up to **12,000 xg**.

code	dimensions Ø x h mm	case quantity	case weight	case volume
4092.7N	10.3 x 40.5	10 x 500	6.50	0.055

5 ml Graduated Microtube

5 ml microtubules are the perfect choice for intermediate volume between microcentrifuge tubes and 15 ml conical tubes.
Made of transparent polypropylene. The microtubes are graduated each 250 µL and are supplied with a matte band able to write in.
Flat cap is attached to the tube. Easy handling: microtube can be opened and close with one hand.
Can be used from Resistant to temperatures from **-80 °C to 121 °C**.
Autoclabable. **Free of DNA, DNase, RNase and PCR inhibitors**.
Whitstand centrifugation up to **25,000 xg.**

code	dimensions Ø x h cm	case quantity	case weight	case volume
4092.8N	1.9 x 6	5 x 200	6.35	0.039

Please find racks for these microtubes on Chapter 9. **Sample Storage**

www.laboquimia.es



CRYOINSTANT: Porous beads for microbiological culture preservation

CryoInstant is an excellent preservation system for storing microbiological culture (for example fungus on sporulation phase), consisting on **2 ml cryovials** containing 25 porous beads and cryopreservative-added broth.
With these vials we can:

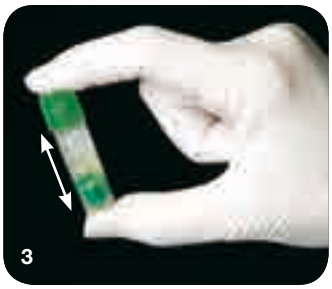
- Get a **perfect freezing storage system**.
- Obtain up to **25 replicates** from the original microorganism, to use them during many years
- **Ease** the **recovery** of the **stored strain** streaking an inoculated bead directly onto solid media
- **Prevent changes** and **repetitive thawing / freezing** of the rest of beads
- **Avoid** the **growth** of **ice** when recovering,
- **Improve recovery rates** of frozen cultures by adding cryopreservative to broth
- **Minimise** the **risk of cross contamination,**
- **Save space** in the freezers when storing.

The external thread cryovials are made of polypropilene (page 145). Their smooth inner surface prevents from contamination. Their caps embody a silicone washer to ensure a positive leakproof seal. Tubes and caps withstand up to **–190 ºC**.
In order to ease the classification of the samples, we offer the possibility to get cryovials with caps and beads in five different colours: every code displays caps and beads from a single and same colour (excepting code **409113/6**, which is an assortment), allowing a fast and easy identification of the samples, and providing a system whereby users are able to code different bacterial species, different samples, different laboratories, etc. And even more: with colour coded inserts (described on page 144) a further classification can be made.
Cryovials are presented in carton boxes (resistant to **–100 ºC**; dimensions: 150x150x55 mm) with 100 units; boxes are furtherly described in page 202. Each box is supplied plastic-wrapped and labelled with code reference, batch, expiration date and specifying the colour of the caps and beads. Shelf life: 48 month. **Autoclave sterile.**

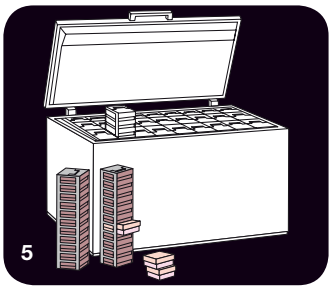
code	beads and cap colour	case quantity	case weight	case volume
409113/1	white	100	0.59	0.002
409113/2	blue	100	0.59	0.002
409113/3	yellow	100	0.59	0.002
409113/4	red	100	0.59	0.002
409113/5	green	100	0.59	0.002
409113/6	assorted: 5 colours x 20 cryovials	100	0.59	0.002















Way of use:

1. Take the sample from the strain with a loop (please see our loops on page 32 and 33)
2. Inoculate the cryovial by putting the loop in contact with the broth
3. Close the cryovial and shake it gently in order to permeate the strain into the beads
4. Extract the cryopreservative-added broth with a Pasteur pipette (see our plastic pipettes on pages 189-193)
5. Close the cryovial and take it to the freezer
6. Every time we need to reproduce the strain, we will take a bead with a loop or a forceps
7. We will put it down on a Petri dish with culture medium, attempting to put in contact all the surface of the bead with the medium



Screw thread microtubes

Made of **autoclavable** polypropylene, they can be used at extreme temperatures from **–190 ºC to +121 ºC**.
Two versions available: in transparent polypropylene, or opaque brown **(UV resistant**, designed to be used with light sensitive samples).
Certified RNAse, DNAse and pyrogen free.
Tubes and caps can be centrifuged at **17,000 xg.**
Caps are supplied separately, see below. Dimensions: 11 x 44 mm.

mod.	code	volume ml	skirt	case quantity	case weight	case volume
		Transparent polypropylene				
1	**409110.1**	0.5	yes	1,000	1.47	0.010
2	**409110.2**	1.5	yes	1,000	1.45	0.009
3	**409110.3**	1.5	no	1,000	1.42	0.009
4	**409110.4**	2.0	yes	1,000	1.30	0.010
		Brown polypropylene				
5	**409113.1**	0.5	yes	1,000	1.54	0.009
6	**409113.2**	1.5	yes	1,000	1.34	0.009
7	**409113.3**	1.5	no	1,000	1.43	0.009
8	**409113.4**	2	yes	1,000	1.34	0.009



Caps for screw thread microtubes

Made of polypropylene.
Caps are available either with an attachment loop or without loop.
Both models have a sealing O-ring (red) of silicone to ensure a positive leakproof seal.
For sample identification, colour coding inserts can be placed upon caps (made of polypropylene).
Cap dimensions: 13 x 8 mm.

mod.	code	description	case quantity	case weight	case volume
		Transparent polypropylene			
1	**409007.N**	cap with loop	1,000	0.41	0.003
2	**409008.N**	cap without loop	1,000	0.40	0.002
		Brown polypropylene			
3	**409007.M**	brown cap with loop	1,000	0.45	0.003
4	**409008.M**	brown cap without loop	1,000	0.55	0.010
		Inserts			
5	**409111R**	red insert	500	0.06	0.001



Screw cap microtubes, with cap. Sterile

Tubes and caps in medical grade, transparent polypropylene.
The cap embodies a non-reactive ethylene-propylene o-ring.
Suitable for **autoclave, liquid nitrogen (gaz) and boiling processes**.
Perfect for long term storage.
Withstand temperatures from **–190 ºC**.
Centrifugation Resistance: **20,000 xg.**
DNAse, RNAse, DNA, and PCR inhibitors free.
Graduated models feature a frosted area for writing.
The non-graduated model incorporates an external grip for an easy handling. Microtubes are supplied capped, in bags of 50 units.

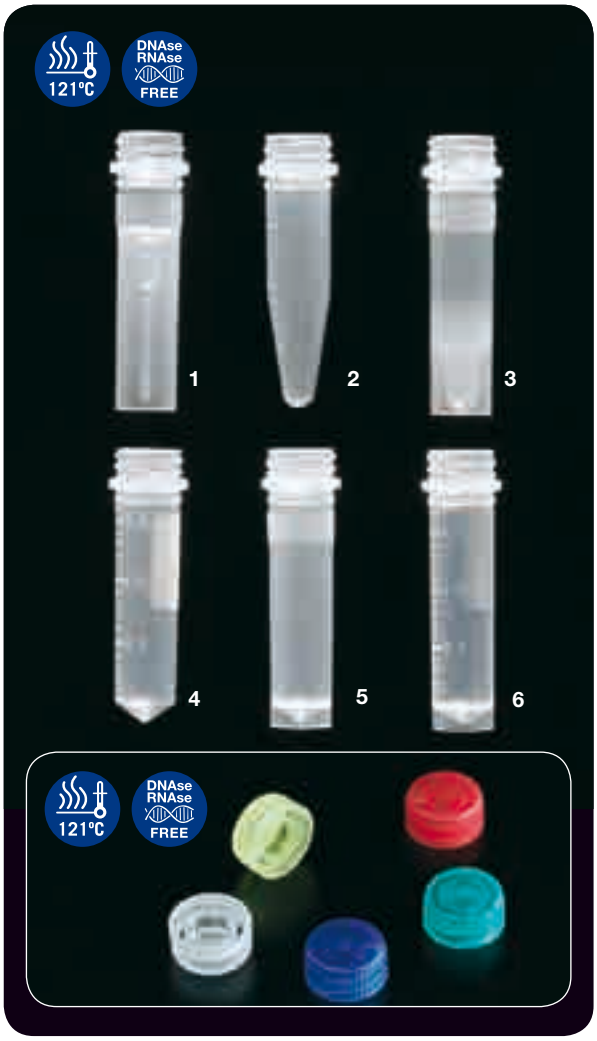
code	description		graduation	case quantity	case weight	case volume
409115/4	0.5 ml skirted	STERILE R	Î	50 x 50	5.90	0.030
409115/2	1.5 ml non skirted	STERILE R	P	50 x 50	5.90	0.030
409115/6	2 ml skirted	STERILE R	P	50 x 50	5.90	0.030
409115/3	2 ml non skirted	STERILE R	P	50 x 50	5.90	0.030

www.laboquimia.es

Screw thread microtubes

Made of transparent polypropylene.
Suitable for use in liquid nitrogen, **autoclave** and for boiling applications, and can be used at temperatures down to **–190 ºC**.
Certified RNAse, DNAse and PCR inhibitors free.
Products ideal for long term sample storage.
Withstand centrifugation at **20,000 xg**. The codes **409111/4**, **409111/5** and **409111/6**, with external moulded slots for better handling with gloves.
Dimensions: 10.3 x 44.5 mm (except code **409111/2**: 10.3 x 43.6 mm).
Caps are supplied separately, see below.

mod.	code	description	graduation	case quantity	case weight	case volume
1	**409111/4**	0.5 ml skirted	✗	500	0.78	0.005
2	**409111/2**	1.5 ml	✓	500	0.61	0.005
3	**409111/5**	1.5 ml skirted	✗	500	0.73	0.005
4	**409111/3**	2.0 ml	✓	500	0.71	0.005
5	**409111/6**	2.0 ml skirted	✗	500	0.76	0.005
6	**409111/7**	2.0 ml skirted	✓	500	0.73	0.005



Caps for screw thread microtubes

Made of medical grade polypropylene.
Feature an internal O-ring to ensure leakproof seal.
Dimensions 13.0 x 6.0 mm.
Certified RNAse, DNAse and PCR inhibitors free.

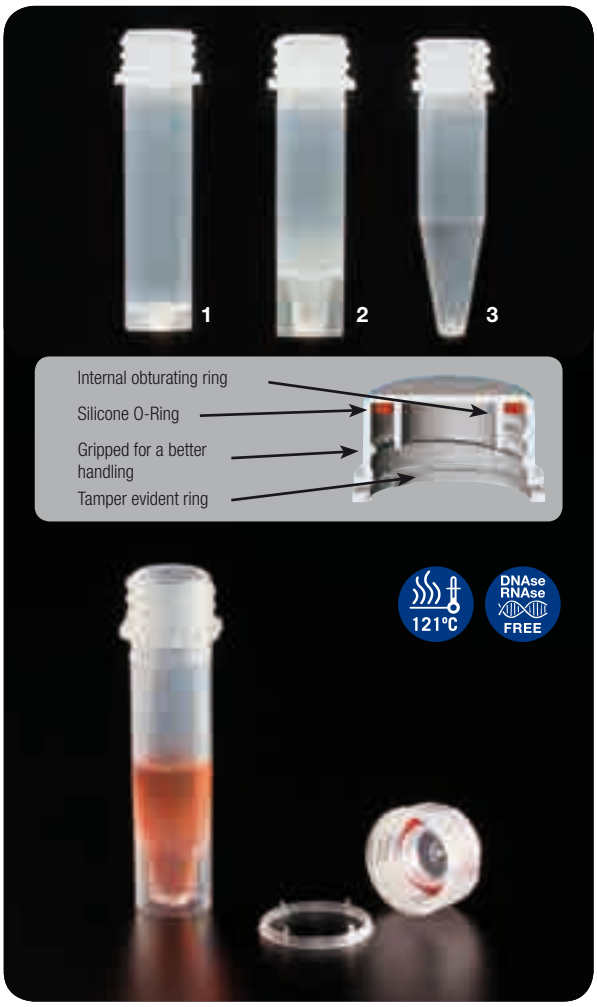
code	colour	case quantity	case weight	case volume
409112/0	natural	500	0.21	0.0009
409112/1	blue	500	0.21	0.0009
409112/2	green	500	0.21	0.0009
409112/4	red	500	0.21	0.0009
409112/6	yellow	500	0.21	0.0009

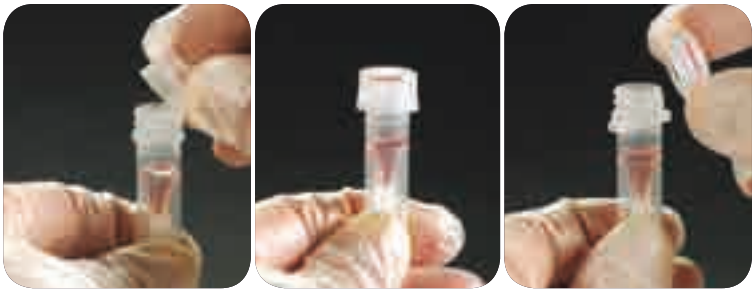
Screw thread tamper evident microtubes

Microtubes and caps are made of autoclavable ultra clear polypropylene. Ribbed cap with internal silicone O-ring for a positive **leakproof seal.** Super fast ¼ turn thread design. **Tamper evident** seal which notices if microtube has been opened.
Rnase, Dnase and Pyrogen free.
They can be used at extreme temperatures from **–196 ºC** to **121 ºC**.
Resistance to centrifugation: **17,000 xg.**
Microtube dimensions: 11 x 44 mm.
Cap dimensions (with tamper-evident ring): 15 x 9 mm.
Used on:

- Test of fertility and DNA testing
- Packaging of diagnostic kits and reagents
- Forensic laboratories

mod.	code	volume ml	case quantity	case weight	case volume
1	**409110.4T**	2	1,000	2.06	0.013
2	**409110.2T**	1.5	1,000	2.06	0.013
3	**409110.5T**	1.5	1,000	1.70	0.013

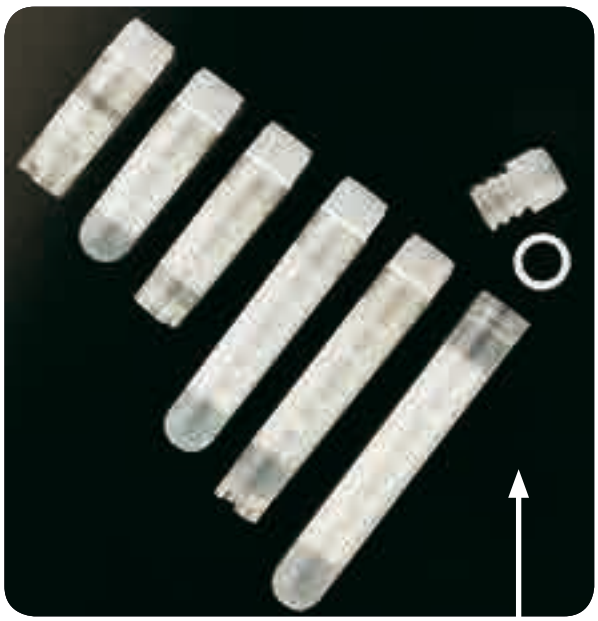




Screw cap until locking ring clicks over serrated tube neck.
Contents are now protected until cap is removed and tamper-evident ring is detached.









Sterile cryovials

Tubes made of **autoclavable** polypropylene.
Designed for the storage of biological material at temperatures as low as **–196 ºC**. (Liquid Nitrogen but in gas state).
Cryovials have printed graduations and feature a white marking area for sample identification. Caps and tubes have both the same coefficient of expansion, which further enhances their leakproof qualities at changing temperatures.
Caps are manufactured in polyethylene* and embody a silicone O-ring that guarantees leakproof.
Colour code inserts can be fitted into the caps for identification.
All cryovials are certified RNAse, DNAse and pyrogen free.
Cryovials are **sterilized by radiation** and are packaged in safety-lock bags of 100. Supplied capped.
External threads:
minimize liquid retention. Non skirted versions withstand centrifugation up to **17,000 xg.**
* 10 ml cryovial (code **401410**) features a polyethylene cap which does not accept inserts.
Internal threads:
Non skirted versions withstand centrifugation up to **14,000 xg**.



Cryovials with external threads:

code	volume ml	skirt	dimensions mm*	case quantity	case weight	case volume
409105.1	1.2	yes	12.5 x 42	10 x 100	2.50	0.014
409103.1	2.0	no	12.5 x 47	10 x 100	2.70	0.017
409106.1	2.0	yes	12.5 x 49	10 x 100	2.68	0.015
409107	3.0	yes	12.5 x 71	10 x 100	3.88	0.023
409108	4.0	yes	12.5 x 77	10 x 100	3.90	0.028
409109	5.0	yes	12.5 x 92	10 x 100	4.60	0.023
401410	10.0	yes	17.0 x 84	10 x 50	2.80	0.020

* Capped.

Cryovials with internal threads:

code	volume ml	skirt	dimensions mm*	case quantity	case weight	case volume
409001	1.2	yes	12.5 x 41	10 x 100	1.94	0.015
409002	2.0	no	12.5 x 48	10 x 100	2.22	0.016
409002.1	2.0	yes	12.5 x 49	10 x 100	2.24	0.015
409003	4.0	no	12.5 x 70	10 x 100	3.79	0.028
409003.1	4.0	yes	12.5 x 72	10 x 100	3.90	0.028
409003.2	5.0	no	12.5 x 90	10 x 100	4.60	0.024

* Capped.



See racks at page 207



Colour coded inserts

Made of polypropylene. Very convenient for colour identification in freezers, on benchtops etc.
Fit precisely into the caps of cryovials. They feature a little hole in order to help removing them from the cap. Not suitable for code **401410.**

code	colour	case quantity	case weight	case volume
409003A	blue	500	0.08	0.0005
409003AM	yellow	500	0.08	0.0005
409003R	red	500	0.08	0.0005
409003V	green	500	0.08	0.0005

www.laboquimia.es

Non sterile cryovials with external threads

Made of polypropylene. Designed for the storage and transportation of biological material. The external thread design provides a smooth and uniform inner surface, thus reducing the risk of contamination. Tubes can be **autoclaved** to **121 ºC** and withstand temperatures down to **–190 ºC**. The closures and tubes are both manufactured of polypropylene having the same coefficient of expansion, which further enhances their leakproof qualities at changing temperatures. Cryovials withstand centrifugation up to **17,000 xg**. Skirted tubes are not recommended for centrifugation.
Available with or without graduation and white band.
Caps suitable for these cryovials are supplied separately, see code **409110** and series.



Cryovials printed without graduation:

code	volume ml	skirt	dimensions mm*	case quantity	case weight	case volume
409102.1	1.2	yes	12.5 x 43	1,000	1.38	0.007
409104.1	2.0	no	12.5 x 48	1,000	1.49	0.007
409106.2	2.0	yes	12.5 x 49	1,000	1.72	0.007
409107.1	3.0	yes	12.5 x 72	1,000	2.48	0.020
409108.1	4.0	yes	12.5 x 76	1,000	2.89	0.018
409109.1	5.0	yes	12.5 x 93	1,000	3.67	0.026

* Capped





Cryovials with graduation and band:

code	volume ml	skirt	dimensions mm*	case quantity	case weight	case volume
409132	2.0	yes	12.5 x 49	1,000	1.69	0.009
409133	3.0	yes	12.5 x 72	1,000	3.77	0.010
409135	4.0	yes	12.5 x 76	1,000	2.92	0.018

* Capped





Caps for the above tubes

Made of polypropylene. Feature a long skirt and a special thread design allowing them to be removed or sealed with a single turn and assuring a better protection of the content. A silicone washer ensures a positive leakproof seal at all temperatures.
Caps are made of polypropylene having the same coefficient of expansion as the above cryovials. See the previous page for colour inserts to fit into these caps.



code	colour	case quantity	case weight	case volume
409110	natural	1,000	0.80	0.004
409110/1	blue	1,000	0.79	0.004
409110/4	red	1,000	0.79	0.004

Canes for cryovials

Made of aluminium.
Suitable for the storage of five or six 1.2 or 2.0 ml tubes in liquid nitrogen freezers such as Dewar flasks.



code	dimensions	case quantity	case weight	case volume
409120	290 mm	12	0.11	0.001


100
80
60

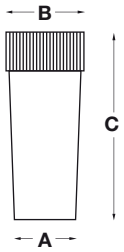




30 ml universal polystyrene containers (25 x 90 mm)

Polypropylene caps. 30 ml containers. These containers are manufactured with an innovative process resulting in one of the most resistant containers available on the market.
The standard cap colour is white.
Other colours can be supplied (ask for quantities).

mod.	code	description	sterile	case quantity	case weight	case volume	cases pallet
1	**309202**	polystyrene	no	400	5.20	0.045	32
2	**309222**	polystyrene individually wrapped	no	400	5.70	0.045	32
2	**309222.O**	polystyrene individually wrapped	STERILE EO	400	5.70	0.045	32



Dimensions:
A: 25.1 mm; B: 30.8 mm; C: 92.5 mm. Maximum volume: 31.7 ml. Recommended volume: 25 ml.
Withstand centrifugation up to: 7,000 xg.

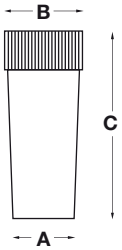
STERILE A STERILIZATION TYPE: in this case the parts are not sterilized at the end of its manufacture process since is the process by itself which is able to obtain a sterile product. This is because the entire process from injection of different plastic components to the assembly is protected by a sterile atmosphere, thanks to the cowling of the entire installation and the placement of laminar flows that create an overpressure sterile air inside the facilities.



30 ml universal polypropylene containers (25 x 90 mm)

Made in Polypropylene. 30 ml containers. These containers are manufactured with an innovative process resulting in one of the most resistant containers available on the market. The screw closure can assure an almost leakproof closing system. Polypropylene cap in white colour, except **409602** (blue). Other colours and labeled models can be supplied (ask for quantities).
Autoclavable (except the code **409602**, the polystyrene spatula must be removed before autoclaving).

mod.	code	description	sterile	case quantity	case weight	case volume	cases pallet
1	**409202**	polypropylene	no	400	4.50	0.040	32
2	**409222**	polypropylene individually wrapped	no	400	5.10	0.045	32
2	**409222.O**	polypropylene individually wrapped	STERILE EO	400	5.10	0.045	32
3	**409602**	polypropylene with PS spoon	no	400	4.70	0.047	32



Dimensions:
A: 24.8 mm; B: 30.8 mm; C: 91.6 mm. Maximum volume: 31.1 ml. Recommended volume: 25 ml.
Withstand centrifugation up to: 10.000 xg.

30 ml container with boric acid (25 x 90 mm)

This container includes a boric acid preservative which allows the storage and transport of the urine sample to the laboratory.
The boric acid supports the viability of the bacteria while preventing further multiplication. This preservative does not alter the characteristics of the urine and will not affect analysis. The bacteria remain viable for 24-48 hours or more, depending on the type of microorganisms.
Boric acid quantity: 0.4 gr. **Sterile by ethylene oxide.**

code	description	case quantity	case weight	case volume	cases pallet
409202.B	polypropylene with boric acid	400	5.70	0.045	32

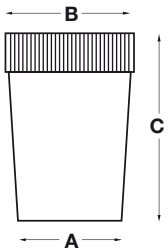




50 ml containers (38 x 70 mm)

With polyethylene caps. Volume: 50 ml.

code	description	case quantity	case weight	case volume	cases pallet
409802	ultra clear polypropylene	700	9.30	0.096	16
409852	ultra clear polypropylene with PS spoon	700	9.30	0.096	16
409826	ultra clear polypropylene individually wrapped	600	8.40	0.096	16



Dimensions:
A: 35.1 mm; B: 41.5 mm; C: 72.3 mm.
Maximum volume: 56 ml.
Recommended volume: 45 ml.



40 ml containers (30 x 70 mm)

With polyethylene caps. Graduated.
Volume 40 ml.

code	description	case quantity	case weight	case volume	cases pallet
409402	ultra clear polypropylene	8 x 100	8.35	0.096	16
409426	ultra clear polypropylene, individually wrapped	800	10.50	0.110	16
309402	polystyrene	8 x 100	11.00	0.096	16

Dimensions:
A: 29.1 mm; B: 35.7 mm, C: 69.8 mm.
Maximum volume: 39 ml.
Recommended volume: 30 ml.



www.laboquimia.es

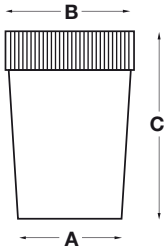


50 ml tamper evident containers (38 x70 mm)

Ultra clear polypropylene containers with a specially designed tamper evident ring.
Polyethylene caps. Standard colour of caps: red. Volume: 50 ml.

code	description	case quantity	case weight	case volume	cases pallet
419802	ultra clear polypropylene	700	9.42	0.096	16
419826	ultra clear polypropylene individually wrapped	600	8.40	0.096	16

Containers are supplied capped but not fully locked so that the container is not fully sealed.
Once samples (urine, milk, water, etc.) are collected, screw the cap in a normal way and then screw again to fully position the tamper evident ring.



Dimensions:
A: 35.1 mm; B: 41.5 mm; C: 72.3 mm.
Maximum volume: 56 ml.
Recommended volume: 45 ml.



The seal ring will be automatically broken when unscrewing

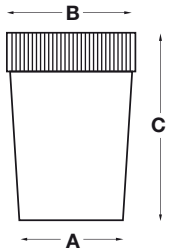




60 ml polystyrene containers (38 x 65 mm)

New generation of 60 ml containers with high safety closure biflex caps.
Caps made of polyethylene.
Standard colour of the cap: red.

mod.	code	description	sterile	case quantity	case weight	case volume	cases pallet
1	**309502**	polystyrene	aseptic	600	9.10	0.096	20
2	**309552**	polystyrene with spoon	aseptic	600	8.87	0.096	16
3	**309526**	polystyrene individually wrapped	STERILE A	750	11.55	0.140	12



Dimensions:
A: 39.3 mm; B: 44.2 mm; C: 66.0 mm.
Maximum volume: 63 ml. Recommended volume: 50 ml.

We can supply these containers labeled. Please ask quantities.
We can supply these containers sterilised by radiation.



Racks for containers up to 47 mm Ø

Stainless steel. 50 mm square holes. With a strong woven mesh base.

code	dimensions mm	distribution	quantity	weight	volume
I-240	315 x 210 x 45	24 (6 x 4)	1	0.35	0.0042
I-250	210 x 160 x 45	12 (4 x 3)	1	0.25	0.0022

Wide range of racks and baskets, see chapter 9.

121°C

See metal racks in
Chapter 9. **Sample Storage**

www.laboquimia.es

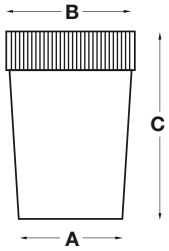
deltalab



60 ml polypropylene containers (38 x 65 mm)

New generation of 60 ml sterile containers with high safety closure biflex caps.
Specially designed for pneumatic transport of specimens.
Caps made of polyethylene. Standard colour of the cap: red.

mod.	code	description	sterile	case quantity	case weight	case volume	cases pallet
1	**409501**	polypropylene labelled	aseptic	600	8.00	0.096	16
2	**409502**	polypropylene	aseptic	600	7.90	0.096	16
3	**409552**	polypropylene with spoon	aseptic	600	8.25	0.096	16
4	**409526**	polypropylene individually wrapped	STERILE A	750	10.15	0.140	12
-	**409526.O**	polypropylene individually wrapped	STERILE EO	750	10.15	0.140	12
5	**409526.1**	polypropylene individually wrapped, labelled	STERILE A	750	10.17	0.140	12



Dimensions:
A: 38.8 mm; B: 44.2 mm; C: 66.1 mm. Maximum volume: 62 ml. Recommended volume: 50 ml.



Graduated 60 ml containers 38 x 65 mm

Made of transparent popypropylene.
Moulded graduation in 5 ml increments.
Red polyethylene cap, biflex.
For other cap colours ask the minimum order quantities.
Ideal for pneumatic transport because it has a watertight closing system.
Supplied capped.

code	description	sterile	case quantity	case weight	case volume	cases pallet
409502G	polypropylene	aseptic	600	8.07	0.096	16
409526G	polypropylene, individually wrapped	STERILE A	750	10.30	0.140	12

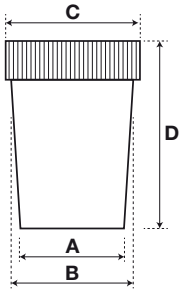
Dimensions:
A: 38.8 mm; B: 44.2 mm; C: 66.1 mm.
Maximum volume: 62 ml.
Recommended volume: 50 ml.



150 ml containers (57 x 73 mm) with spoon

Ultra clear polypropylene containers with polyethylene leak proof screw caps. Spoon made of Polystyrene.
Graduated in 100 ml increments. Frosted panel on side for easy writing.
Standard colour of the cap: red.

mod.	code	description	sterile	case quantity	case weight	case volume	cases pallet
1	**409752**	polypropylene with PS spoon	no	450	8.14	0.140	16
2	**409756**	polypropylene individually wrapped with PS spoon	no	350	6.80	0.140	16
2	**409756.B**	polypropylene individually wrapped with PS spoon	STERILE R	350	6.80	0.140	16



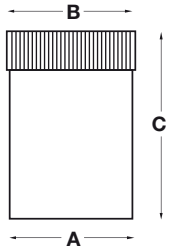
Dimensions:
A: 48.3 mm; B: 56.3 mm; C: 62.1 mm; D: 74.3 mm.
Maximum volume: 150 ml.
Recommended volume: 125 ml.
These containers can be supplied sterilized by radiation.



150 ml screw cap containers (58 x 69 mm)

Manufactured in polystyrene or polypropylene depending on the model. Cap manufactured in polyethylene.
Total volume 150 ml.
Code **309752** is supplied with a polystyrene spoon inside.
Code **409700** is **sterile by radiation.**

mod.	code	description	sterile	case quantity	case weight	case volume
1	**309752**	polystyrene white cap and spoon	no	360	13.45	0.106
2	**409700**	polypropylene red cap	STERILE R	360	11.58	0.106



Dimensions:
A: 58 mm; B: 62 mm; C: 69 mm.

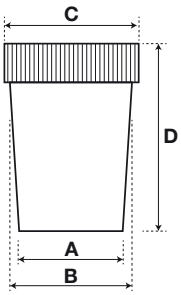
www.laboquimia.es



150 ml containers (57 x 73 mm)

Ultra clear polypropylene containers with polyethylene leak proof screw caps.
Moulded graduation in 20 ml increments up to 100 ml. Frosted panel on side for easy writing.
Standard colour of the cap: red.

mod.	code	description	sterile	case quantity	case weight	case volume	cases pallet
1	409701	polypropylene labelled	aseptic	450	7.95	0.140	16
2	409702	polypropylene	aseptic	450	7.72	0.140	16
3	409726	polypropylene individually wrapped	STERILE A	350	6.45	0.140	16
–	409726.G	polypropylene individually wrapped	STERILE R	350	6.45	0.140	16



Dimensions:
A: 48.3 mm; B: 56.3 mm; C: 62.1 mm; D: 74.3 mm.
Maximum volume: 150 ml.
Recommended volume: 125 ml.



150 ml containers uncapped (57 x 73 mm)

With the same characteristics as the previous model, but these containers are supplied uncapped.
Containers and caps are supplied in the same box.

code	description	case quantity	case weight	case volume	cases pallet
409703	polypropylene uncapped	620	10.05	0.089	20



Blue containers (60 and 150 ml)

With the same characteristics as codes **409702** (p. 155) and **409502** (p. 153) but in blue colour (containers and cap). Ideal for photosensitive samples or when it is required not to show the content. Ask for other labeling or for not labeled containers to our commercial department.
Minimum order quantity: 30,000 units.
Minimum order quantity: 1 pallet = 9,600 units (code **409511**) and 7,200 units (code **409711**).

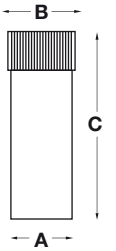
code	description	case quantity	case weight	case volume	cases pallet
409511	60 ml container white label	600	8.20	0.096	16
409711	150 ml container white label	450	7.80	0.140	16



200 ml graduated container (57 x 116 mm)

Containers made of ultra clear polypropylene and caps made of polyethylene. Those containers have double moulded-in graduations, (in 20 ml increments up to 200 ml and in 1 oz increments up to 7 oz), and feature a frosted panel on their side for easy writing. Standard colour of caps: red.

code	max. capacity	case quantity	case weight	case volume	cases pallet
409902	240 ml	275	7.20	0.140	16



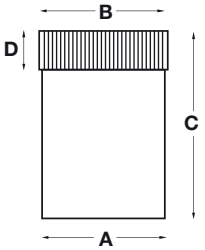
Dimensions:
A: 56.5 mm; B: 62.2 mm; C: 115.5 mm;
Maximum volume: 240 ml;
Recommended volume: 210 ml.



200 ml screw cap container (58 x 95 mm)

Manufactured in polystyrene, cap made of white polyethylene.
Total volume: 220 ml.

code	max. capacity	case quantity	case weight	case volume	cases pallet
309903	220 ml	300	9.6	0.090	16



Dimensions:
A: 58 mm; B: 62 mm; C: 95 mm; D: 22 mm.

www.laboquimia.es

deltalab



150 ml cup



150 ml container (body)



Urine container set

Urine collection system designed to save space in the lab, and to be used when urine samples need to be collected into tubes for a subsequent centrifugation. Designed to be user friendly. The patient urinates in the 150 ml plastic cup and then pours the urine into the tube. Once the tube is filled up, the patient caps it and delivers the sample to the lab, where the health assistant will fill in the label with the required data. The patient just has to follow the hospital or laboratory instructions. **Manufactured under aseptic conditions.** There are several versions and custom-designed versions can be manufactured. Bad printed with bacth number and expiry date. Easy pouring. We can manufacture sets with boric acid.

code	bag	container	tube	cap	capped	cap colour	label 25 x 35 mm	labelled	case quantity	case weight	case volume
309324.E3	✓	150 ml cup	**400705**	**308102**	✗	natural	✗	✗	300	4.15	0.140
309316.E	✓	150 ml cup	**400705**	**308107**	✗	green	✓	✗	300	4.50	0.140
309316	✓	150 ml cup	**400705**	**308107**	✓	green	✓	✓	300	4.10	0.140
NEW **319324.E13**	✓	150 ml cup	**2 x 400705** whith boric acid	**308102 / 308105**	✓	natural/blue	✓	✓	300	5.96	0.140
309324.E	✓	150 ml cup	**401204**	**308202**	✗	natural	✓	✗	300	4.70	0.140
NEW **309324**	✓	150 ml cup	**401204**	**308207**	✓	green	✓	✓	300	4.70	0.140
NEW **309324.PS**	✓	150 ml cup	**301201**	**308202**	✓	natural	✗	✗	300	4.70	0.140
NEW **319324.E10**	✓	150 ml cup	**300705**	**308102**	✗	natural	✗	✗	300	4.30	0.140
NEW **182289F**	✓	150 ml container (body)	**301200**	**305502**	✓	natural	✗	✗	400	3.60	0.096
NEW **182294F**	✓	150 ml container (body)	**300900**	**307202**	✓	natural	✗	✗	300	5.00	0.140

Disposable cups

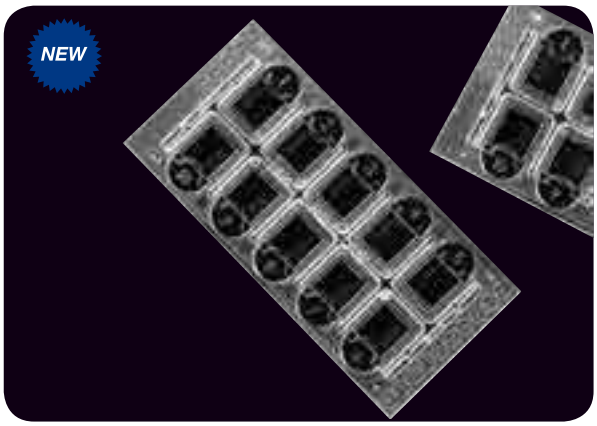
Disposable sample cups, for general sample collection.
Cups are supplied stacked.



code	volume ml	material	mouth Ø x height	case quantity	case weight	case volume
202248	100	polypropylene	57.5 x 62	50 x 100	7.40	0.080
202317	150	polystyrene	70 x 70	30 x 100	8.32	0.080

"Fast read" plate for urinary sediment cell count

Disposable plate for determining µL cells in the sample.
Using this system a smaller number of epithelial cells present in each field can be achieved, reducing the possibility of overlap with other cells. Ensures a more careful and precise result, providing technical staff to determine presence of cellular elements.



code	description	case quantity	case weight	case volume
141746	fast read plate for urinary sediment cell count	100	0,30	0,0008



Containers and tubes for vacuum system

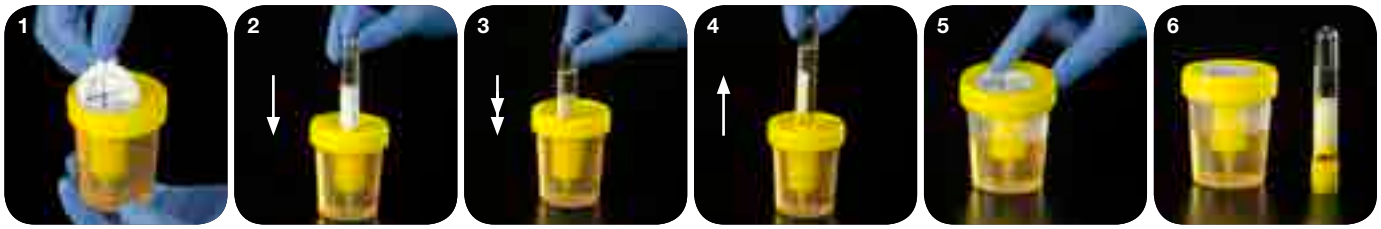
120 ml containers designed to use with vacuum tubes. It allows a clean transfer of the urine from the container to the vacuum tube. Manufactured in transparent Polypropylene. Leakproof cap made of yellow polyethylene, with an internal obturating ring. It includes a cannula with a needle inside protected by a rubber cap and a plastic suction nozzle. The cap features a label that seals the cannula in order to prevent contact with the collection needle. The container features a wide marking area for sample identification and a graduation that helps to quantify the sample when uncapped. Once capped, the graduation is inaccurate as the volume is altered by the cannula. Maximum volume with cap: 120 ml, recommended volume: 60 ml.

Tubes in PET produced with the inner cap in caoutchouc and outer cap in yellow polyethylene. Incorporate label for sample identification, with white background and a transverse line in yellow to easily see that it is a tube for urine. Printed with the lot, expiration date, CE mark, volume of suction, manufacturer, and only one use symbol.

Label dimensions: 36 x 20 mm. Supplied in foam racks of 100 units, shrink-wrapped and labeled.

code	presentation	sterile		case quantity	case weight	case volume
Container (dimensions: 57x73 mm)						
408702	in bulk	no		475	9.31	0.140
408726	individually wrapped	no		350	7.39	0.140
408702.G	in bulk	STERILE R		250	5.05	0.082
408726.G	individually wrapped	STERILE R		350	7.40	0.140
Vacuum tube (dimensions: 16x100 mm)						
408900.K	vacuum tube, 9 ml	STERILE R		10 x 100	12.60	0.062
408910.K	vacuum tube, 9 ml with boric acid	STERILE R		10 x 100	13.70	0.044
KIT container and vacuum tube						
408720	**KIT 408702.G + 408900.K**	STERILE R		250	3.90	0.100
408721	**KIT 408702.G + 408910.K**	STERILE R		250	4.10	0.110
408710	**KIT 408702 + 408900.K**	CONTAINER NO	TUBE: STERILE R	250	3.90	0.100
408711	**KIT 408702 + 408910.K**	CONTAINER NO	TUBE: STERILE R	250	3.90	0.100

Process of sample transfer:



1. Remove the cap label.
2. Place evacuated tube into cavity on cap, stopper down.
3. Advance the tube over puncture point to pierce stopper. The urine tube will be filled. Repeat if another tube is to be collected.
4. Hold tube in position until filled and remove tube from device.
5. Replace label over hole and reseal.

This is a completely hygienic and safe system.
It prevents sample loss and avoid the contamination of the sample, the user or the work environment.



System for vacuum collection

Device for vacuum urine collection designed for use with tubes with the vacuum system. Is composed by:
- Transparent polypropylene holder
- Needle adaptor in White colour. The needle is made of stainless steel AISI 304 wrapped with a synthetic rubber protection.
- Polypropilene cannula diametre 2.4-2.5mm
- Individually wrapped

code	total lenght mm	cannula lenght mm	case quantity	case weight	case volume
408914	140	75	1.200	5.20	0.070
408922	220	160	1.200	5.20	0.070

For sterile models, please contact our sales department.



Rectangular graduated until 3 litres container with handle

Product designed for collection of 24 hours urine samples.
Container made of polyethylene and cap of polypropylene.

Brown opaque body and cap depending on the model:
- **408600** Yellow cap with vacuum system
- **408601** Yellow cap with vacuum system with long canula
- **408610** Standard white cap

The three of them are completely leakproof thanks to its sealing ring and ensure a total sealing of the sample.
The vacuum system ensures a clean transfer of the urine from the container to the vacuum tube and prevents the risk of cross contamination in the handling of the sample. It also avoids sample loss by splashing or outpouring.
The container has a handle with ergonomic empty space to facilitate a much more comfortable dump and the manual transport of the sample.
It incorporates a translucent vertical stripe on one side where the graduation allows the control of the level of sample containing. Graduated each 100 ml, to 3,000 ml.

Total capacity: 3.3 l.
Unit weight (without cap): 115 g (± 3 g).
Cap weight (vacuum system): 8.2 g (± 0.2 g).
Cap weight (standard system): 5.5 g (± 0.2 g).

code	presentation	sterile	case quantity	case weight	case volume	cases pallet
408600*	3 l rectangular container with vacuum system	no	30	4.57	0.150	12
408601*	3 l rectangular container with vacuum system and long canula	no	30	4.57	0.150	12
408610	standard 3 l rectangular container	no	30	4.52	0.150	12

*Suitable with vacuum tubes **408900** and **408910**.



Security screw cap containers

Ultra clear polypropylene containers with yellow polyethylene cap.
They have moulded graduations in ml.
Supplied uncapped with the caps and containers in the same box.
Ideal for the pneumatic transport of liquid samples, including those that have phormaline, because they have a watertight closure. The cap, with an innovative inner shape, has a double closure. (see the figure). The base and the cap are ribbed so the handling with gloves is comfortable and reliable.
There is a ring in the upper part of the body, in order to avoid the dripping in case of liquid decanting.
For other cap colours (blue, orange, magenta), ask for the minimum order quantities.

mod.	code	grad. volume ml	total volume ml	mouth Ø mm	height mm	case quantity	case weight	case volume
1	**202840**	20	26	34	43	1,000	8.84	0.090
2	**202841**	40	50	45	43	600	8.41	0.090
3	**202842**	60	76	45	60	500	8.00	0.110
4	**202843**	90	92	48	75	400	7.32	0.101
5	**202848**	90	108	53	68	300	6.35	0.102
6	**202844**	120	146	53	78	300	7.50	0.102



EUROTUBO® Leak proof screw cap containers

Specially designed for histology, they are provided with double internal security closure. Manufactured in translucent polypropylene with polyethylene ribbed yellow cap. They have moulded graduations.
Their leakproof closure makes them ideal for liquid or solid sample storage. They meet the standard UNE-EN 14401.
Rigid plastic containers. Methods to test the efectiveness of closures.
Supplied uncapped.

Find more information about this product in page 87

www.laboquimia.es



Cylindrical container graduated up to 2 litres with handle

High density polyethylene container and cap. Ideal for 24 hour urine collection and any other liquid samples.
We recommend references with white and ribbed cap, that features a pharmaceutical grade liner, **which eliminates the need for an insert plug**, allows a better handling and provides a watertight seal.
Containers are graduated in 50 ml increments up to 2 l. Include a convenient handle for an easy single-handed use.
Base diameter: 108 mm.
Height, cap included: 290 mm.
Cases per palet: 16.
Codes **408001.1** and **408001.0** are individually wrapped by retractile system.
Ask for other versions cap colours, capped containers and sterile containers.

code	body colour	cap description	presentation	individually wrapped	sterile	internal mouth Ø mm	case quantity	case weight	case volume
408001	natural	white, with liner	unscrewed	no	no	65	34	4.50	0.140
408001.O	natural	white, with liner	screwed	yes	STERILE R	65	34	4.50	0.140
408001-86	natural	black + plug	unscrewed	no	no	86	33	4.70	0.140
408001OBT	natural	black + plug	unscrewed	no	no	66.5	33	4.20	0.140
408001O/T	natural	black + plug	screwed	no	no	66.5	33	4.59	0.140
408001.1	natural	white, with liner	screwed	yes	no	65	34	4.38	0.140



Rectangular containers, graduated up to 2 litres

Containers and caps made of high density polyethylene.
Ideal for 24 hour urine collection and other liquid samples.
Containers are in transluscent colours and moulded graduation in 50 ml increments up to 2 l.
Ergonomically designed for single-handed use with a lateral tap of 66 mm length Height, cap included: 253 mm.
Base: 84 x 125 mm.
Cases per pallet: 16.
Models with white cap, have polexan liner, which **eliminates the need of a plug**, allows a better handling and provides a leakproof closure.
Individually wrapped models are supplied capped.
Ask for other versions: colour (both, cap or body), and sterile containers.

code	body colour	cap description	presentation	individually wrapped	sterile	internal mouth Ø mm	case quantity	case weight	case volume
407001	natural	white, with liner	unscrewed	no	no	65	43	6.00	0.140
407001/T	natural	white, with liner	screwed	no	no	65	43	6.00	0.140
407008	natural	white, with liner	screwed	yes	no	65	43	6.40	0.140
407008.O	natural	white, with liner	screwed	yes	STERILE R	65	43	6.40	0.140
407001OBT	natural	black + plug	unscrewed	no	no	66	41	5.90	0.140
407008OBT	natural	black + plug	screwed	yes	no	66	41	5.90	0.140
407003	brown	white, with liner	unscrewed	no	no	65	43	6.00	0.140

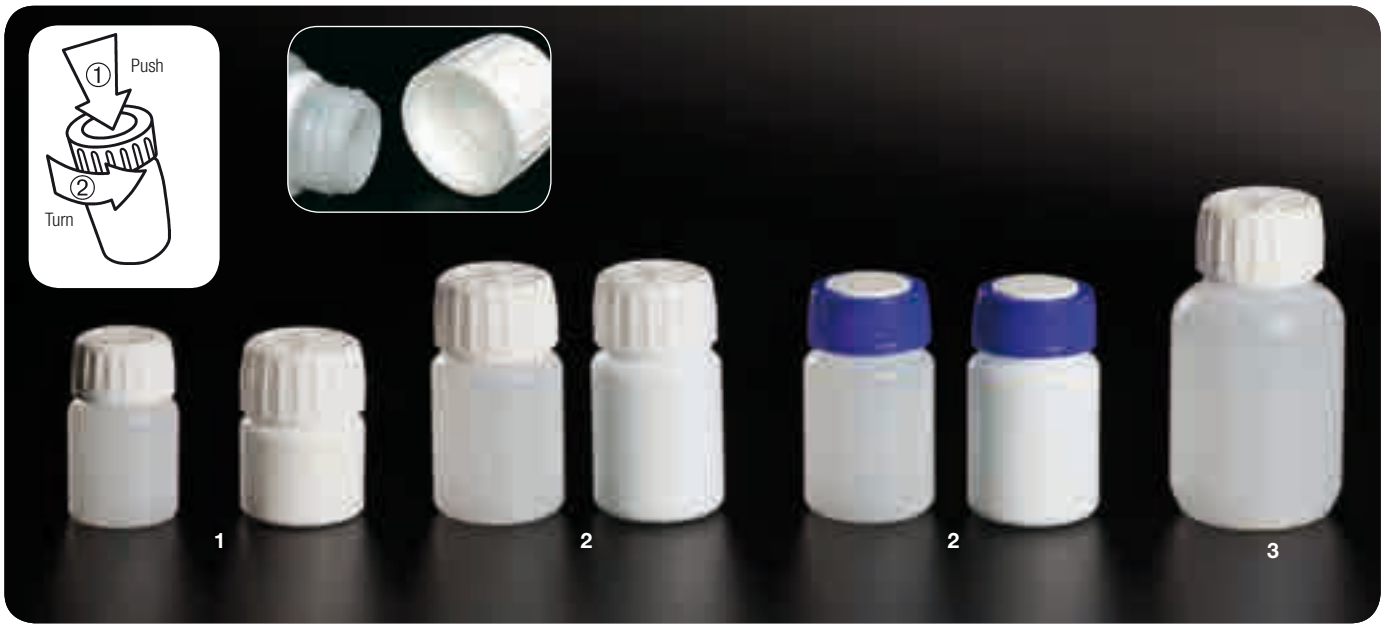
www.laboquimia.es



Squared containers, graduated up to 2.7 l

High density polyethylene container and cap. Ideal for 24 hour urine collection and other liquid samples.
The ribbed cap features a polexan liner, which **eliminates the need for an insert plug**, allows a better handling and provides a watertight seal.
Containers are graduated in 50 ml increments up to 2.7 l.
Ergonomically designed for single-handed use. Stackable.
A ring on the neck of the containers avoids dripping when pouring.
Lenght x width: 130 x 126 mm (±1 mm).
Height, cap excluded: 249 mm (±1 mm).
Individually wrapped models are supplied capped.
Cases per palet: 12.

code	body colour	cap description	presentation	individually wrapped	sterile	internal mouth Ø mm	case quantity	case weight	case volume
407005	natural	white, with liner	unscrewed	no	no	64	34	5.52	0.150
407005/T	natural	white, with liner	screwed	no	no	64	34	5.52	0.150
407005.O	natural	white, with liner	screwed	yes	STERILE R	64	34	5.70	0.152
407006	brown	white, with liner	unscrewed	no	no	64	34	5.70	0.154
407006/T	brown	white, with liner	screwed	no	no	64	34	5.50	0.150



Security screw cap containers

Natural colour high density polyethylene containers. Capacities: 30, 60 and 125 ml. Ideal for liquids.
60 and 125 ml containers: Bottles with screw cap, leakproof closure with child-proof system and split seal.
The cap is compound by two pieces that turn around themselves avoiding the cap to be opened, working as a security closure avoiding the accidental manipulation. To open the cap push it down following the figure on the cap. The sealed caps need to be unscrewed to break the seal, showing that it has not been manipulated.
30 ml container **444603202** has a security seal, not the child-proof system closure.
Pallet cases quantity: 16.

code	cap colour	body colour	height mm	Ø base mm	body weight g	case quantity	case weight	case volume
1. Capacity: 30 ml. Ø Pilfer mouth 25, security closure tamper evident								
444603202	white	natural	69.0	31.0	6.2	1,100	11.32	0.103
1. Capacity: 30 ml. Ø Pilfer mouth 28, security closure childproof system								
444603204	white	white	60.5	35.6	7.0	600	10.00	0.078
2. Capacity: 60 ml. Ø Pilfer mouth 28, security closure childproof system								
444603300	white	natural	93.7	37.6	9.5	600	11,80	0.110
444602903	white	white	93.7	37.6	9.5	600	8.00	0.110
444602901	blue	natural	87.5	37.6	9.5	600	7.50	0.110
444602801	blue	white	87.5	37.6	9.5	600	7.50	0.110
3. Capacity: 125 ml. Ø Pilfer mouth 28, security closure childproof system								
444603402	white	natural	114.8	48.0	13.6	300	5.15	0.110

We can supply other colours if required.



25 ml cups

Ultra clear polypropylene cup with cover in natural polyethylene, graduated up to 25 ml.
Dimensions: Ø mouth: 35 mm, Ø base: 27 mm, height 40 mm.
The cups are supplied bagged in stacks of 100 units.

code	description	case quantity	case weight	case volume
430130	standard graduated cup	60 x 100	9.29	0.061
430130.1	reinforced graduated cup	60 x 100	13.00	0.065
430100.1	push cover	3 x 2,000	5.80	0.060

See chapter 9. **Sample storage**



www.laboquimia.es



1. Open 2. Open at 90° 3. Closed but non tampered 4. Tampered lid 5. Untampered

Hinged lid container

Specially designed for **milk, wine and agroalimentary oil,** although it is also suitable for other liquid or solid samples.
Recommended for its use with **FOSS® and DELTA® analytical systems**, among others.
Made of **autoclavable** polypropylene. Tamper evident Lid, attached to the body by means of a hinge.
The lid is conceived to maintain 90º after its opening, enabling this pot to be used with just one hand. It has a frosted squared surface for identification. Excellent mechanical and chemical resistance.

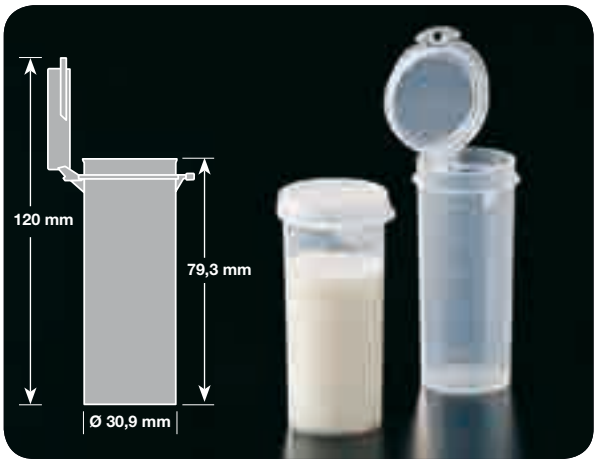


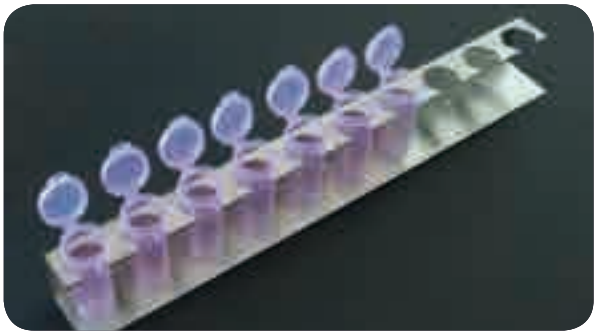
For coloured versions, please ask our commercial department

Hinged lid container, 50 ml

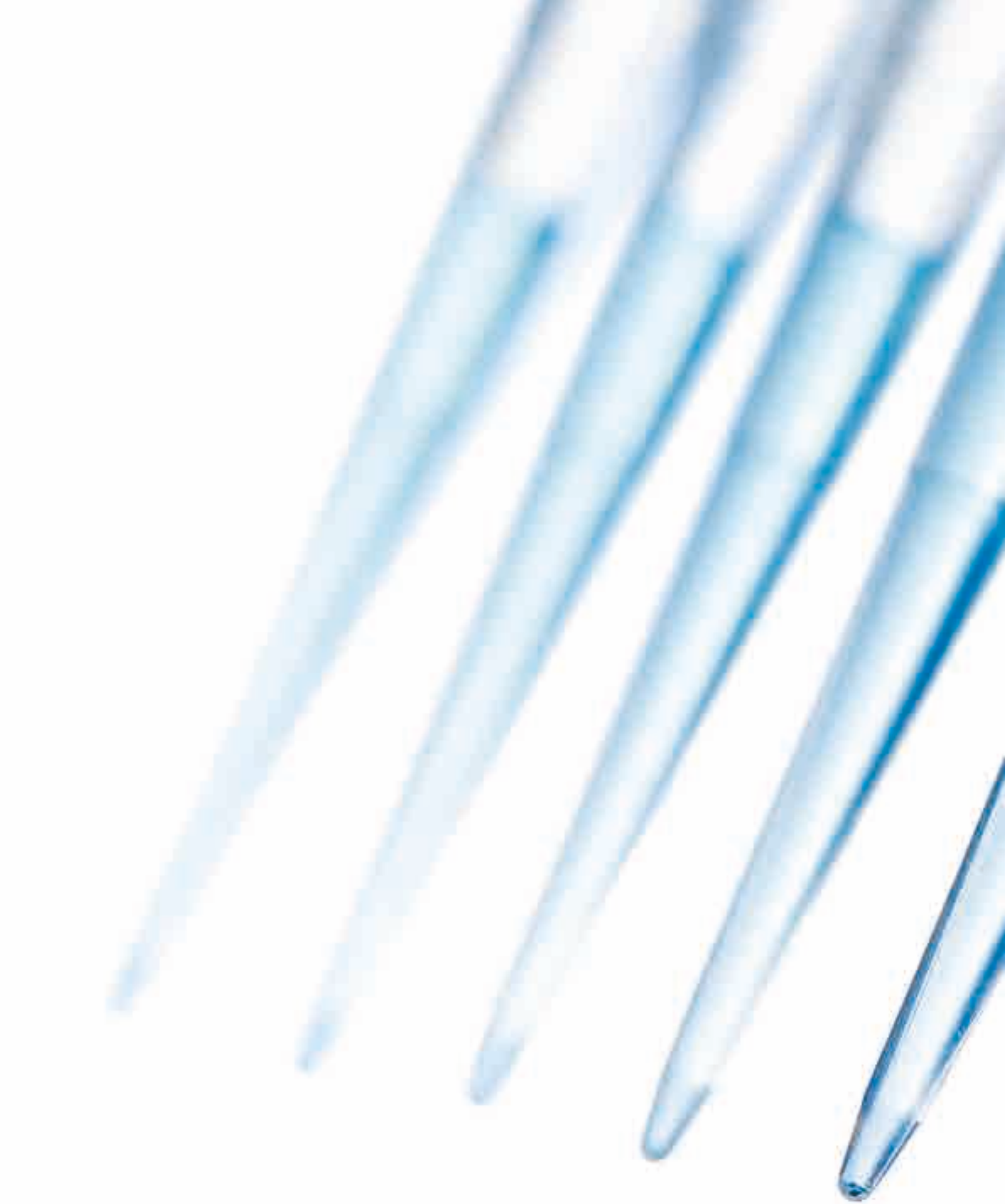
Graduated up to 50 ml.
Code **410046** is supplied uncapped.
Code **410056** is supplied uncapped inside an individual bag.

code	description	case quantity	case weight	case volume	cases pallet
410046	50 ml container	800	7.5	0.140	12
410056	50 ml container individually wrapped	800	7.5	0.140	12

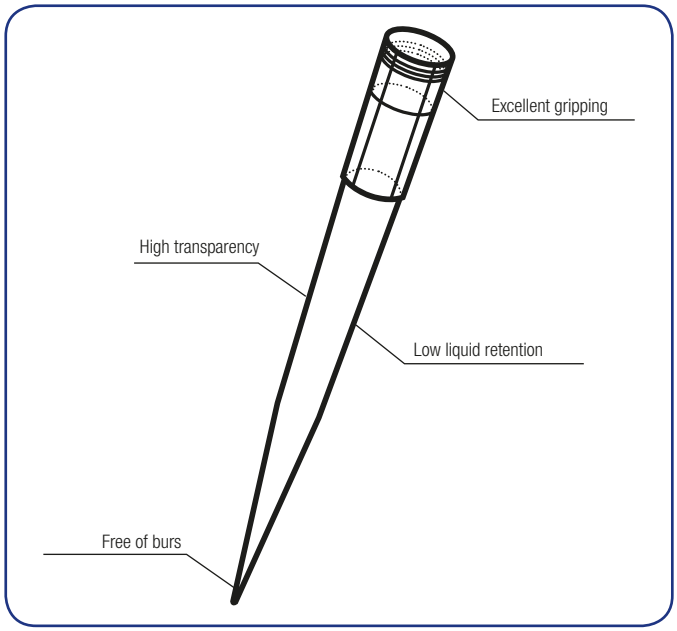


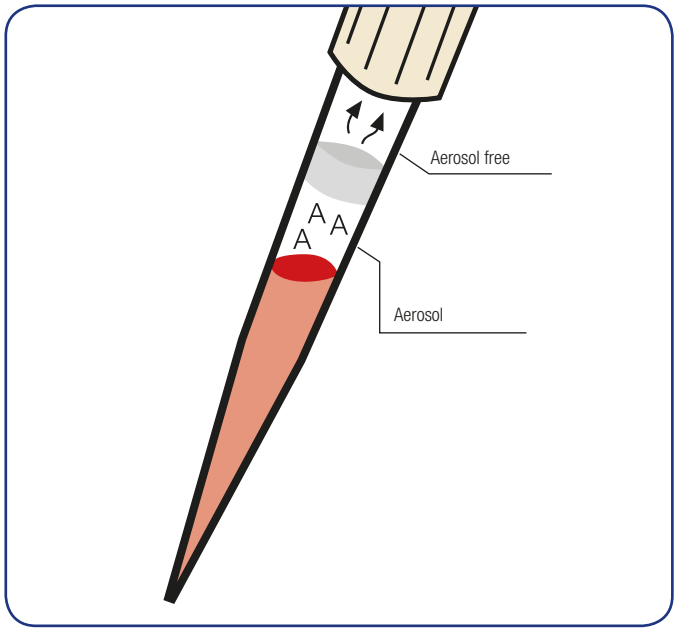


We can manufacture special racks in aluminium or stainless steel under request.
Please ask the commercial department.









Tips for automatic pipettes

DELTALAB tips:
The perfect aid for a **safe, easy, quick and accurate** liquid handling.

- **Low retention**
- **Autoclave resistant**
- **Good subjection**
- **High transparency**
- **Uniformity**
- **Free of metals**
- **Traceability**

Tips with filter

The filter tip avoids aerosols and prevents pipette and / or sample contamination.

STANDARD

1. It **purifies the air** that goes through the filter, r**emoving aerosol and contaminants**
2. It partially **absorbs the sample** in case of overaspiration (10-20%)
3. It **protects the sample** from an accidentally **non sterile pipette**

Our range

Our range of tips meet almost every liquid handling need, as they are available in a wide scope of options:

- With or without filter in bulk or rack (with hinged, sliding, or free lid).
- Sterile, DNAse and RNAse free, with Standard or Extra filter, in rack.
- Sterile, without filter, packed in individual bag.



Our racks are made of **autoclavable** polypropylene, and have been developed according to an identifying colour code: racks with tips without filter are blue or translucent colour, depending on the code; racks with filter tips are transparent with hinged lid.

*Excepting code **327-26** (page 174), with blue rack.



0.1 - 10 µl tip

Natural colour universal crystal tip, graduated. Gilson® type.
El Rack made of **autoclavable** polypropylene up to **121 ºC**.
Racks with transparent lid and base in different colours:
Rack without filter: blue base.
Standard filter: transparent base / transparent lid.

Suitable (not exclusive)
Gilson®, Eppendorf®, Biohit®, Dsg®, Elkay®, Finnpipette®, Genex®, Jencons®, Nichiryo®, HTL®.

code	description	sterile	case quantity	case weight	case volume
200024	tips in bulk	no	20 x 1,000	3.80	0.026
199084RC	96 tips rack	no	10 x 96	1.92	0.009
326-19	filter tips in bulk	no	20 x 1,000	3.70	0.026
327-19	96 tips rack filter	STERILE R	10 x 96	1.26	0.010

Code **326-19** minimum unit sale: 1 bag.



0.1 - 10 µl tip

Natural colour universal crystal tip, graduated. Gilson® type.
Long shape, perfect to pipette samples in deep vessels.

Suitable (not exclusive)
Gilson®, Socorex®, Eppendorf®, Biohit®, Nichiryo®, Finnpipette®, Dsg®, Elkay®, Genex®, Jencons®, HTL®.

Rack made of **autoclavable** polypropylene up to **121 ºC**.
Rack without filter: transparent lid and blue base.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
301-01	tips in bulk	no	15 x 1,000	3.00	0.026
301-01R	96 tips rack	no	10 x 96	1.80	0.010
301-01F	filter tips in bulk	no	15 x 1,000	2.92	0.023
301-01FR	96 tips rack filter	STERILE R	10 x 96	1.25	0.012

Tips in bulk: minimum unit sale: 1 bag.
Code **301-01F** suitable for Eppendorf® Research Plus.

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



0.5 - 20 µl tip

Natural colour universal crystal tip, bevelled. Eppendorf® type.

Suitable (not exclusive)
Eppendorf®, Gilson®, Biohit®, Brand®, Dsg®, Elkay®, Finnpipette®, Jencons®, Nichiryo®, Socorex®, HTL®.

Rack made of **autoclavable** polypropylene up to **121 ºC**.
Rack without filter: transparent lid and blue base.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
301-11	tips in bulk	no	25 x 1,000	4.80	0.050
301-10	96 tips rack	no	10 x 96	1.82	0.009
301-09	96 tips rack	STERILE R	10 x 96	1.80	0.009
326-37	filter tips in bulk	no	25 x 1,000	5.40	0.035
327-37R	96 tips rack filter	STERILE R	10 x 96	1.25	0.010

Tips in bulk: minimum unit sale: 1 bag.



2 - 20 µl tip

Natural colour universal tip. Eppendorf® type.
Available without filter (2-200µl).
See our codes **200072**.

Suitable (not exclusive)
Eppendorf®, Biohit®, Finnpipette®, Gilson®, Socorex®, Brand®, HTL®.

Rack made of **autoclavable** polypropylene up to **121 ºC**.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
200010FR	96 tips rack filter	STERILE R	10 x 96	2.00	0.010

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



2 - 30 µl tip

Natural colour universal filter tip, bevelled.
Gilson® type. Identical to the code 200078 (page 172).

Suitable (not exclusive)
Gilson® P20 P100 P200, Eppendorf®, Biohit®, Dsg®, Elkay®, Finnpipette®, Genex®, Jencons®, Socorex®, Nichiryo®, HTL®, etc.

Rack made of **autoclavable** polypropylene up to **121 ºC**.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
327-36	filter tips in bulk	no	25 x 1,000	9.50	0.071
327-36R	96 tips rack filter	STERILE R	10 x 96	1.59	0.009

Tips in bulk: minimum unit sale: 1 bag.



2 - 100 µl tip

Natural colour universal filter tip, bevelled.
Gilson® type. Identical to the code 200078 (page 172).

Suitable (not exclusive)
Gilson® P100 P200, Eppendorf®, Biohit®, Dsg®, Elkay®, Finnpipette®, Genex®, Jencons®, Socorex®, Nichiryo®, HTL®, etc.

Rack made of **autoclavable** polypropylene up to **121 ºC**.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
327-23	filter tips in bulk	no	25 x 1,000	9.00	0.071
327-24	96 tips rack filter	STERILE R	10 x 96	1.96	0.010

Tips in bulk: minimum unit sale: 1 bag.

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



2 - 200 µl tip

Natural colour universal tip, bevelled.
Gilson type®.

Suitable (not exclusive)
Gilson® P20 P100 P200, Eppendorf®, Biohit®, Dsg®, Elkay®, Finnpipette®, Genex®, Jencons®, Socorex®, Nichiryo®, HTL®, etc.

Rack made of **autoclavable** polypropylene up to **121 ºC**; with transparent lid and blue base.

code	description	sterile	case quantity	case weight	case volume
200078	tips in bulk	no	25 x 1,000	9.20	0.071
199078RC	96 tips rack	no	10 x 96	1,96	0.009
199078N	96 tips rack	STERILE R	10 x 96	1,96	0.009

Tips in bulk: minimum unit sale: 1 bag.



2 - 200 (100) µl tip

Natural colour universal tip. Eppendorf® type.

Suitable (not exclusive)
Eppendorf®, Gilson®, Brand®, Biohit®, Dsg®, Elkay®, Finnpipette®, Genex®, Jencons®, Kartell®, Nichiryo®, Socorex®, HTL®.

Rack made of **autoclavable** (up to 121 ºC) polypropylene.
Rack without filter: transparent lid and blue base.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
5 - 200 µl tip					
200072	tips in bulk	no	25 x 1,000	9.10	0.071
199014RC	96 tips rack	no	10 x 96	1.93	0.010
199014N	96 tips rack	STERILE R	10 x 96	1.97	0.010
2 - 100 µl filter tip					
327-33	tips in bulk	no	25 x 1,000	10,00	0.071
327-33R	96 tips rack filter	STERILE R	10 x 96	1.97	0.010

Tips in bulk: minimum unit sale: 1 bag.

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



2 - 200 µl tip

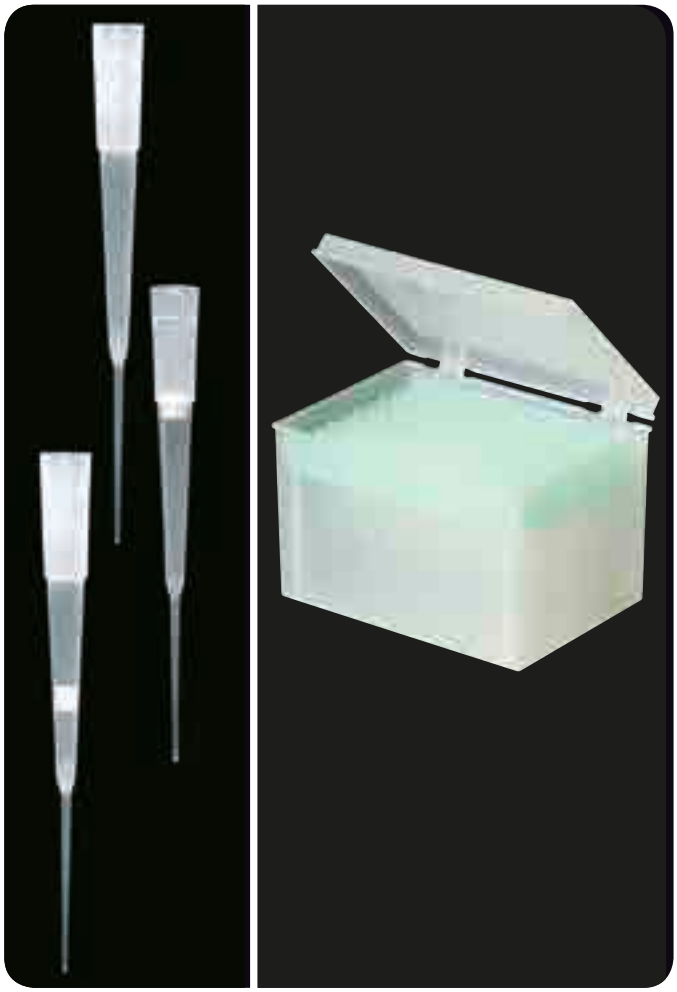
Universal tip, bevelled. Gilson® type. Tips with filter: natural colour. Tips without filter: yellow colour.

Suitable (not exclusive)
Gilson®, Eppendorf®, Dsg®, Elkay®, Finnpipette® (except Multichannel), Genex®, Jencons®, Nichiryo®, HTL®, Socorex® serie Akura .

Rack made of **autoclavable** (up to **121 ºC**) polypropylene.
Rack without filter: transparent lid and blue base.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
Natural colour:					
327-34	filter tips in bulk	no	25 x 1,000	9.20	0.083
327-34R	96 tips rack filter	STERILE R	10 x 96	1.45	0.010
Yellow colour:					
200016	tips in bulk	no	25 x 1,000	8.81	0.072
200016B	single tips individually wrapped	STERILE R	200	0.19	0.002
200016R	96 tips rack	no	10 x 96	1.94	0.009

Code **327-34** minimum unit sale: 1 bag.



0.1 - 200 µl tip

Universal natural colour tip with collar for gel.

Suitable (not exclusive)
Pipetman®, Eppendorf®, Titertek®, Biohit®, Socorex®, Nichiryo®, Costar Corning®, Oxford®, Rainin®, Finnpipette®.

Translucent rack made of **autoclavable** polypropylene with hinged lid.

code	description	sterile	case quantity	case weight	case volume
200079	tips in bulk	no	10 x 1,000	9.20	0.050
200079R	96 tips rack	STERILE R	10 x 96	1.20	0.010
200079F	96 tips rack filter 0.1-20 µl	STERILE R	10 x 96	1.80	0.010
200079FS	96 tips rack filter 0.1-100 µl	STERILE R	10 x 96	1.80	0.010

Tips in bulk: minimum unit sale: 1 bag.

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



1 - 200 µl tip

Universal natural colour tip with 91 mm length.

Suitable (not exclusive)
Pipetman®, Eppendorf®, Nichiryo®, Costar Corning®, Oxford®, Volac®, Socorex®, Titertek®, SMI®, Rainin®, Finnpipette®, etc.

Rack made of polypropylene **autoclavable** up to **121 ºC**.
Transparent lid and blue base, with 204 tips in 12 x 17 distribution.

code	description	sterile	case quantity	case weight	case volume
200026	tips in bulk	no	5 x 1,000	3.50	0.050
327-26	204 tips rack filter	STERILE R	8 x 204	2.23	0.014

Tips in bulk: minimum unit sale: 1 bag.



1 - 200 µl tip

Natural colour universal tip. Designed to work with viscous fluids like glycerol or thick tissue homogenates. Suitable also for fragile cellular structures, minimizing the risk of tearing or rupture.

Suitable (not exclusive)
Eppendorf®, Socorex®, Nichiryo®, Finnpipette®, Biohit®, Oxford®, Pipetman®, Rainin®, Costar Corning®, Volac®.

Transparent lid and blue base.

code	description	sterile	case quantity	case weight	case volume
327-40	tips in bulk	no	10 x 1,000	4.20	0.020

Minimum unit sale: 1 bag.

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



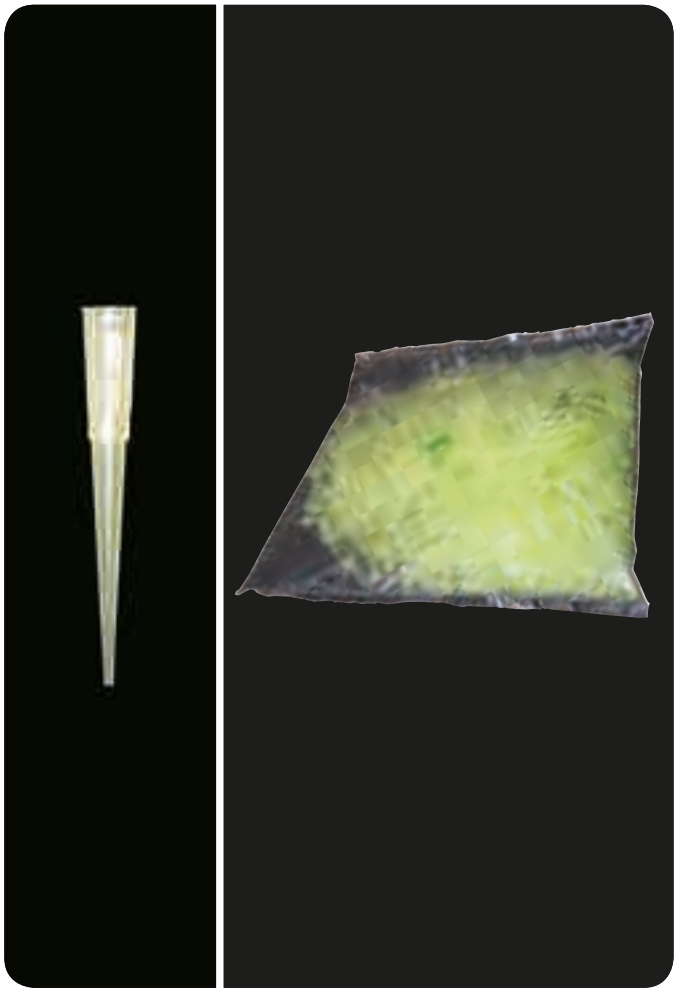
5 - 200 µl tip

Eppendorf® universal tip.

Suitable (not exclusive)
Eppendorf®, Gilson®, Brand®, Biohit®, Dsg®, Elkay®, Finnpipette®, Genex®, Jencons®, Nichiryo®, Socorex®, HTL®.

Rack made of **autoclavable** polypropylene up to **121 ºC**.
Transparent lid and blue base.

	code	description	sterile	case quantity	case weight	case volume
●	**200009**	tips in bulk	no	25 x 1,000	8.75	0.072
●	**200009B**	single tips individually wrapped	STERILE R	200	0.19	0.002
●	**200009R**	96 tips rack	no	10 x 96	1.98	0.009



5 - 200 µl tip

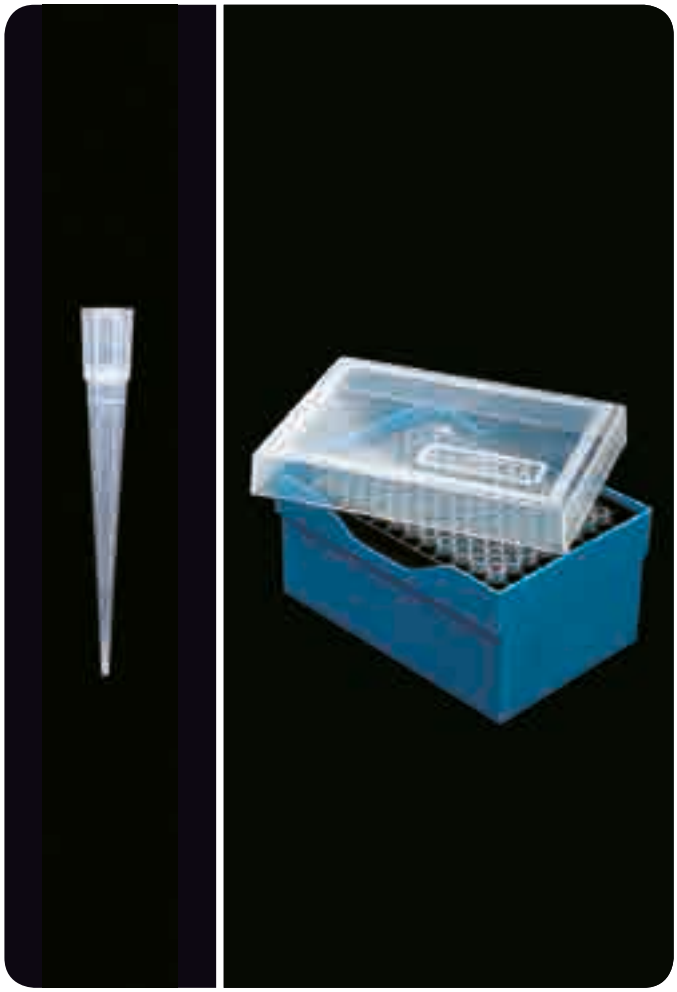
Yellow universal tip, Gilson® type.

Suitable (not exclusive)
Gilson®, Eppendorf®, Biohit®, Dsg®, Elkay®, Finnpipette®, Genex®, Jencons®, Nichiryo®, HTL®.

	code	description	sterile	case quantity	case weight	case volume
●	**199083**	tips in bulk	no	25 x 1,000	9.00	0.071

Minimum unit sale: 1 bag.

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



2 - 300 µl tip

Natural colour universal tip. Biohit® type.

Suitable (not exclusive)
Gilson® P200, Finnpipette® (old model), Labsystems®, etc.

Rack made of **autoclavable** polypropylene up to **121 ºC**.
Transparent lid and blue base.

	code	description	sterile	case quantity	case weight	case volume
●	**200074**	tips in bulk	no	24 x 1,000	8.30	0.067
●	**199076RC**	96 tips rack	no	10 x 96	1.82	0.010

Tips in bulk: minimum unit sale: 1 bag.



2 - 200 µl tip

Yellow universal tip with crown and with a 50 µl margin to prevent any accidental overaspiration.

Suitable (not exclusive)
Eppendorf®, Socorex®, Gilson® except NEO model, Nichiryo®, Biohit®, Brand®, Jencons®, Thermo®, DSG®, Elkay®, HTL®, Finnpipette®, Genex®.

Translucent rack made of **autoclavable** polypropylene up to **121 ºC**; with hinged lid.

	code	description	sterile	case quantity	case weight	case volume
●	**200076**	tips in bulk	no	24 x 1,000	8.82	0.071
●	**200076R**	tips in rack	no	10 x 96	1.98	0.010
●●●	**200076RF**	filter tips in rack	STERILE R	10 x 96	2.04	0.010

Tips in bulk: minimum unit sale: 1 bag.

Colour codes:
- ● RNAse and DNAse free
- ● Metal free
- ● Pyrogen free



5 - 200 µl tip

Natural colour universal tip, bevelled. MLA® type.
Translucent rack made of **autoclavable** polypropylene up to **121 ºC**; with hinged lid.

	code	description	sterile	case quantity	case weight	case volume
●	**200017**	tips in bulk	no	25 x 1,000	10.50	0.071
●	**200017R**	96 tips rack	no	10 x 96	1.80	0.010

Tips in bulk: minimum unit sale: 1 bag.



5 - 200 µl tip

Natural colour universal tip, bevelled. Oxford® type.
Suitable for the DiaMed-Micro typing System machine.
Translucent rack made of **autoclavable** polypropylene up to **121 ºC**; with hinged lid.

	code	description	sterile	case quantity	case weight	case volume
●	**200019**	tips in bulk	no	12 x 1,000	6.90	0.071
●	**200019R**	96 tips rack	no	10 x 96	1.80	0.010

Tips in bulk: minimum unit sale: 1 bag.

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



20 - 300 µl tip

Natural colour universal tip. Eppendorf® type.
Suitable (not exclusive): Eppendorf®, Gilson®, Brand®, Biohit®, Elkay®, Jencons®, Finnpipette®, Nichiryo®, Socorex®.

Rack made of **autoclavable** (up to **121 ºC**) polypropylene.
Rack without filter: transparent lid and blue base.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
200077	tips in bulk	no	20 x 1,000	9.70	0.071
200077R	96 tips rack	no	10 x 96	1.94	0.009
200077F	filter tips in bulk	no	20 x 1,000	9.90	0.071
200077FR	96 tips rack filter	STERILE R	10 x 96	1.92	0.009

Tips in bulk: minimum unit sale: 1 bag.

121ºC



100 - 1,000 µl tip

Universal tip with collar. Blue or natural colour.
Suitable (not exclusive): Eppendorf®, Gilson®, Biohit®, DSG®, Elkay®, Finnpipette®, Genex®, Jencons®, Nichiryo®. Suitable for Menarini®.

Rack made of polypropylene, **autoclavable** up to **121 ºC**.
Rack without filter: transparent lid and blue base.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
Blue colour:					
200012	tips in bulk	no	10 x 1,000	7.95	0.085
200012B	single tips individually wrapped	STERILE R	175	0.27	0.004
200012R	96 tips rack	no	10 x 96	2.36	0.010
Natural colour:					
200070	tips in bulk	no	10 x 1,000	8.00	0.083
200070R	96 tips rack	no	10 x 96	2.40	0.009
200070NR	96 tips rack	STERILE R	10 x 96	2.38	0.010
327-30	filter tips in bulk	no	10 x 1,000	8.50	0.083
327-30R	96 tips rack filter	STERILE R	10 x 96	1.99	0.010

Codes **200070**, **200012** and **327-30** minimum unit sale: 1 bag.

121ºC



50 - 1250 µl tip

(50-1000 µl filter tips).

Natural colour universal tip.
Suitable (not exclusive): Socorex®, Gilson®, Nichiryo®, Brand®, HTL®, Biohit®, Eppendorf® Research, DSG®, Elkay®, Finnpipette®, Handrop®.

Rack made of polypropylene, **autoclavable** up to **121 ºC**.
Rack without filter: transparent lid and blue base.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case volume
200071	tips in bulk	no	10 x 1.000	8,50	0,083
200071NR	96 tips rack	STERILE R	10 x 96	2,50	0,010
327-31R	96 tips rack filter	STERILE R	10 x 96	2,80	0,010

Tips in bulk: minimum unit sale: 1 bag.

121ºC NEW

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free

www.laboquimia.es

100 - 1,000 µl tip

Gilson® Universal tip.

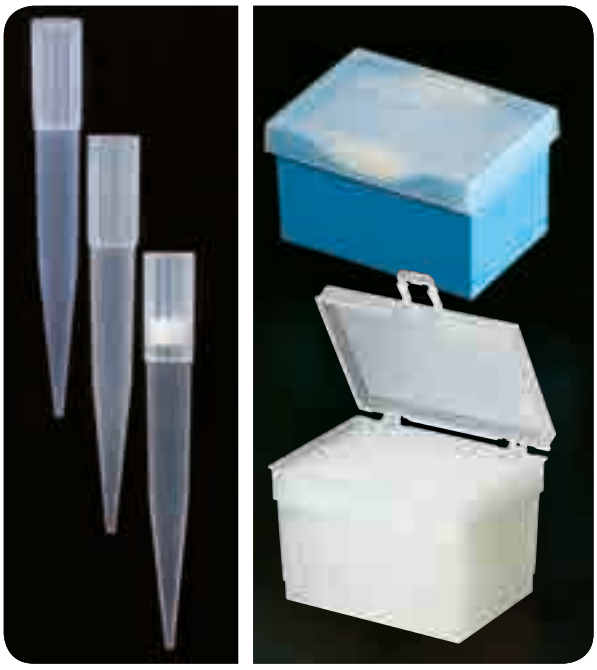
Suitable (not exclusive): Gilson®, Eppendorf®, Biohit®, DSG®, Elkay®, Finnpipette®, Genex®, Jencons®, Nichiryo®, Socorex®, HTL®.

Rack made of polypropylene, **autoclavable** up to **121 ºC**.
Rack without filter: transparent lid and blue base.
STANDARD filter: hinged transparent lid and transparent base.

code	description	sterile	case quantity	case weight	case olume
Blue colour:					
200080.1	tips in bulk	no	10 x 1,000	9.96	0.085
200080.1R	96 tips rack	no	10 x 96	2.62	0.015
Natural colour:					
200082	tips in bulk	no	10 x 1,000	10.80	0.083
200082R	96 tips rack	no	10 x 96	2.66	0.015
200082NR	96 tips rack	STERILE R	10 x 96	2.62	0.013
200082F	filter tips in bulk	no	10 x 1,000	11.20	0.083
327-16	96 tips rack filter	STERILE R	10 x 96	2.19	0.013

Tips in bulk: minimum unit sale: 1 bag.

121ºC



100 - 1,000 µl tip

Universal tip with collar. Natural colour, Eppendorf® type.

Suitable (not exclusive)
Eppendorf®, Nichiryo®, Biohit®, Brand®, Dsg®, Gilson®, Elkay®, Finnpipette®, Genex®, Jencons®, HTL®. Suitable for Menarini®.

Translucent rack made of **autoclavable** polypropylene up to **121 ºC**; with hinged lid.

code	description	sterile	case quantity	case weight	case volume
200029	tips in bulk	no	10 x 1,000	8.10	0.083
200029R	96 tips rack	no	10 x 96	2.40	0.010
200029F	filter tips in bulk	no	10 x 1,000	8.10	0.083
200029RF	96 tips rack filter	STERILE R	10 x 96	2.40	0.013

Tips in bulk: minimum unit sale: 1 bag.

121ºC



5 - 1,000 µl tip

Universal natural colour tip. Beckmann® type.

For use (but not limited to)
Sherwood®, Lancer®.

code	description	sterile	case quantity	case weight	case volume
200021	tips in bulk	no	10 x 1,000	6.90	0.071

Minimum unit sale: 1 bag.



Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



100 - 1,000 µl tip

Universal tip. Oxford® type.

For use (but not limited to)
Finnpipette®, Labsystem®.

	code	description	sterile	case quantity	case weight	case volume
●	**200020**	tips in bulk	no	8 x 1,000	10.40	0.071

Minimum unit sale: 1 bag.



200 - 1,000 µl tip

Natural colour universal tip special for MLA®. Bevelled.

Suitable (not exclusive)
Finnpipette® colour.

	code	description	sterile	case quantity	case weight	case volume
●	**200018**	tips in bulk	no	8 x 1,000	2.75	0.071

Minimum unit sale: 1 bag.



100 - 1,000 µl tip

Natural colour universal tip, bevelled and graduated.

For use (but not limited to)
Gilson®, Rainin®, Finnpipette®, Nichiryo®, Eppendorf®, Biometra®.

	code	description	sterile	case quantity	case weight	case volume
●●●	**200022**	tips in bulk	no	10 x 1,000	10.90	0.080

Minimum unit sale: 1 bag.

Colour codes:
- ● RNAse and DNAse free
- ● Metal free
- ● Pyrogen free

Pipetting reservoir

Reservoir specially designed for use with multichannel pipettes. Made of polystyrene. Code **M-210** is supplied **sterile by radiation and individually wrapped**.

code	description	sterile	case quantity	case weight	case volume
M-200	150 ml	no	50	0.73	0.010
M-210	150 ml	STERILE R	50	0.73	0.010
M-203	25 ml	no	5 x 10	12.58	0.098



See our plates for liquid handling on chapter 2. **Molecular Biology**

Pipetting reservoir

8 and 12 channel reservoir, 48 ml, PS, **sterile by radiation**.
Individually wrapped.

Dimensions:
330089: 83 x 126 x 13 mm
330129: 126 x 83 x 13 mm

code	description	sterile	case quantity	case weight	case volume
330089	8 channel. 48 ml	STERILE R	10	0.23	0.004
330129	12 chanel. 48 ml	STERILE R	10	0.23	0.004



Double-sided pipetting reservoir

Double-sided reagents reservoir.
By one side is a multichannel reservoir that allows pipetting up to 12 different reagents and by the other side is an only reservoir to use with one reagent type.
Easy pour-spouts.
Its tapered reservoir bottoms form into a narrow trough to aid full sample recovery. It also has tabs to prevent stacked reservoirs from sticking together.
It incorporates a lid (1).

code	description	case quantity	case weight	case volume
M-205	Double-sided reagents reservoir	25	1.07	0.008

NEW







1 - 5 ml macrotip

Natural colour universal macro tip, with collar.
Eppendorf® type.

For use (but not limited to)
Biohit®, Dsg®, Eppendorf®, Genex®, Jencons®, Socorex® Acura 835.

Rack made of polypropylene **autoclavable** up to **121 ºC**. Polycarbonate transparent lid and marble base.
Sliding lid.

code	description	sterile	case quantity	case weight	case volume
200075	tips in bulk	no	8 x 250	5.90	0.088
199075	50 tips rack	no	4 x 50	1.98	0.015
200075RF	50 tips rack filter	STERILE R	4 x 50	2.50	0.015

1 - 5 ml macrotip

Natural colour universal macro tip with collar.
Socorex® type.

For use (but not limited to)
Nichiryo®, Oxford®.

code	description	sterile	case quantity	case weight	case volume
162005*	tips in bulk	no	14 x 250	9.80	0.096
662005	single tips individually wrapped	STERILE R	250	0.90	0.009

* Minimum unit sale: 250.

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



1 - 5 ml macrotip

Blue colour universal macro tip with collar.
Socorex® type.

For use (but not limited to)
Gilson®, Nichiryo®.

Rack made of polypropylene **autoclavable** up to **121 ºC**.
Transparent lid and marble base.
Sliding lid.

code	description	sterile	case quantity	case weight	case volume
200083	tips in bulk	no	8 x 250	5.78	0.085
200083R	50 tips rack	no	4 x 50	2.10	0.015



1 - 5 ml macrotip

Natural colour universal macro tip with collar.
Finnipipette® type.

For use (but not limited to)
Brand®, Labsystem®.

Rack made of polypropylene **autoclavable** up to **121 ºC**.
Transparent lid and marble base.
Sliding lid.

code	description	sterile	case quantity	case weight	case volume
200028	tips in bulk	no	8 x 250	6.76	0.085
200028R	50 tips rack	no	4 x 50	2.20	0.015
200028RF	50 tips rack filter	STERILE R	4 x 50	2.50	0.015

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free





2 - 10 ml macrotip

Natural colour universal macro tip with collar. Gilson® type.

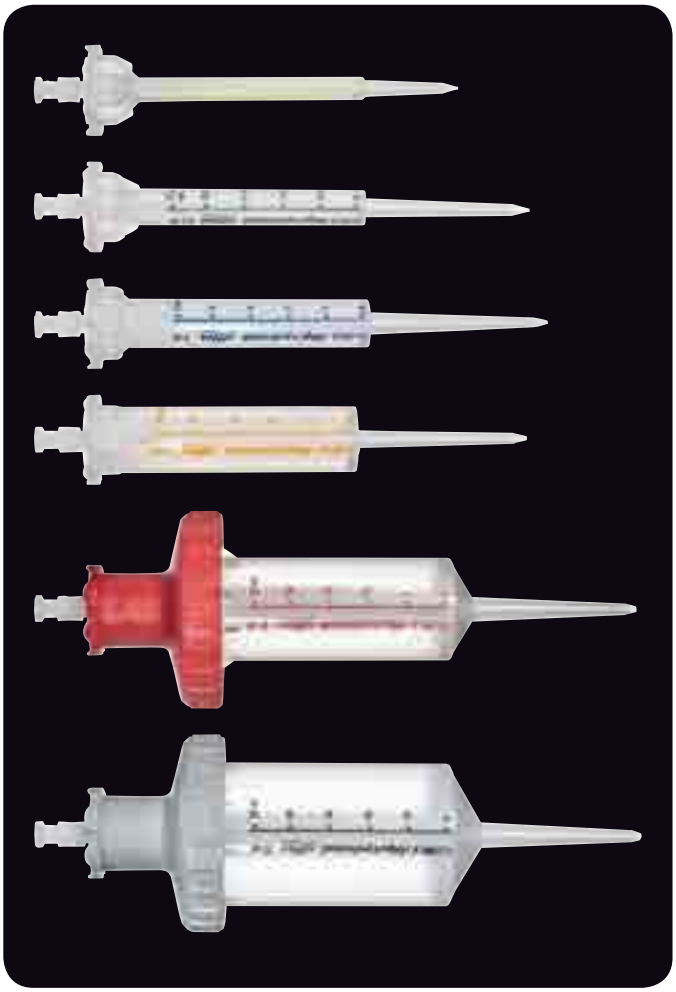
121°C

For use (but not limited to)
Labsystem®, Socorex®.

Rack made of polypropylene **autoclavable** up to **121 ºC**.
Transparent lid and marble base. Sliding lid.

code	description	sterile	case quantity	case weight	case volume
200015	tips in bulk	no	10 x 100	7.24	0.087
200015R	25 tips rack	no	4 x 25	2.25	0.015
200015RF	25 tips rack filter	STERILE R	4 X 25	2.20	0.015

Colour codes:
- RNAse and DNAse free
- Metal free
- Pyrogen free



Ritips® professional

Different capacities.
Different graduation colour according to volume.
Each box of 25 ml and 50 ml contains a free of charge adapter.

For use (but not limited to)
Biohit® eLine® Lite and Pro, Brand® HandyStep electronic, Eppendorf® Repeater Plus, Multipette Pro, and Multipette 4780, Nichimate® Stepper (Nichiryo®), Gilson® Distriman, StepMate®, Ripette®, etc.

When used with Multipette plus and Multipette Pro the display dispenser is inoperative.

	code	description	case quantity	case weight	case volume
NON STERILE	**317-314.1**	Multitips 1.0 ml	100	0.37	0.006
	317-315.1	Multitips 2.5 ml	100	0.48	0.006
	317-316.1	Multitips 5 ml	100	0.51	0.006
	317-317.1	Multitips 10 ml	100	0.62	0.006
	317-318.1	Multitips 25 ml	25	0.46	0.006
	317-319.1	Multitips 50 ml	25	0.51	0.006



Ritips® standard

sterile models

Different capacities, standard and sterile models.
Red graduations.

For use (but not limited to)
Eppendorf® Multipette 4780, Brand® Handystep and Handystep Electronic, Nichimate® Stepper, Ripette® and Ripette® GenX, Minilab® 100/101, Stepmate®, Easystep®, Gilson® Distriman®, etc.

Sterile models are **Rnase, Dnase and pyrogen free.**
Individually wrapped.

	code		description	case quantity	case weight	case volume
NON STERILE	**316-314.1**		Combitip 1,25 ml	100	0.48	0.006
	316-315.1		Combitip 2,5 ml	100	0.53	0.007
	316-316.1		Combitip 5 ml	100	0.69	0.006
	316-317.1		Combitip 12,5 ml	100	0.87	0.007
STERILE R	**316-315.2**	●●	Combitip 2,5 ml	100	0.66	0.009
	316-316.2	●●	Combitip 5 ml	100	0.82	0.009
	316-317.2	●●	Combitip 12,5 ml	100	1.02	0.009

Colour codes:
- ● RNAse and DNAse free
- ● Metal free
- ● Pyrogen free



Single variable volume NICHIPET EXII

① Fully **autoclavable** and UV rays resistant pipettes. Easy digital volume setting. Ceramic piston for volumes bigger than 200 µL. Easy lock with one hand and thermal insulation of the handle. Easy calibration.PTFE Chamber that maintains its tightness and reproducibility for a long time.

code EXII	volume range	increments µl	accuracy %	precision %	case weight	case volume
NPX2-2	0.1-2 µL	0.002	3-12	1-6	0.22	0.0013
NPX2-10	0.5-10 µL	0.01	1-4	0.5-3	0.22	0.0013
NPX2-20	2-20 µL	0.02	1-5	0.4-3	0.22	0.0013
NPX2-100	10-100 µL	0.1	0.8-2	0.3-1	0.22	0.0013
NPX2-200	20-200 µL	0.2	0.8-1	0.2-0.5	0.23	0.0013
NPX2-1000	100-1,000 µL	1	0.7-1	0.2-0.5	0.25	0.0013
NPX2-5000	1-5 ml	10	0.6-1	0.2-0.3	0.28	0.0013
NPX2-10ML	1-10 ml	10	0.4-2	0.2-0.4	0.22	0.0013

② Model **EXII Plus** is specifically designed for using with chemical solvents without any danger of corrosion. A Perfluoro rubber O-ring is installed in **Nichipet EXII Plus**.

③ Multichannel pipettes are also available under request.



Single channel and variable volume NICHIPET PREMIUM pipettes

Single channel and variable volume NICHIPET PREMIUM pipettes
These pipettes have the same features as NICHIPET EXII, and the following advantages:
Nozzle with a high level of tolerance to abrasion, ceramic piston made of non-corrosive materials, and body made as solvent resistant. 4 position to lock the volume.
HyperBlow system to improve dispensation efficiency.
Body designed to minimize fatigue and corrosion resistance ejector.
5-year warranty

code	volume range	increments µl	accuracy %	precision %	case weight	case volume
NPP-2	0,1-2 µL	0,002	3-12	1-6	0,23	0,0013
NPP-10	0,5-10 µL	0,01	1-4	0,5-3	0,23	0,0013
NPP-20	2-20 µL	0,02	1-5	0,4-3	0,23	0,0013
NPP-100	10-100 µL	0,1	0,8-2	0,3-1	0,23	0,0013
NPP-200	20-200 µL	0,2	0,8-1	0,2-0,5	0,23	0,0013
NPP-1000	100-1,000 µL	1	0,7-1	0,2-0,5	0,27	0,0013
NPP-5000	1-5 ml	10	0,6-1	0,2-0,3	0,24	0,0013
NPP-10000	1-10 ml	10	0,4-2	0,2-0,4	0,24	0,0013



HANDROP DIGITAL - SC

Single channel variable volume digital pipettes with digital display.
Precise volume selector.
Easy calibración and maintenance.
Lightweight and ergonomic design with tip ejector.

code	volume range µl	increments µl	accuracy %	precision %	case weight	case volume
770005	0.1 - 2.5	0.05	2.5 - 12	2 - 5	0.19	0.001
770000	0.5 - 10	0.1	1.0 - 2.5	0.8 - 1.5	0.19	0.001
770080	2 - 20	0.5	0.9 - 3.0	0.4 - 2.0	0.19	0.001
770050	10 - 100	1	0.8 - 3.0	0.15 - 1.5	0.20	0.001
770070	20 - 200	1	0.6 - 3.0	0.15 - 1.0	0.19	0.001
770060	100 - 1,000	5	0.6 - 2.0	0.2 - 0.7	0.20	0.001
770040	200 - 1,000	5	0.6 - 0.9	0.2 - 0.3	0.19	0.001
770110	1 - 5 ml	0.05 ml	0.5 - 0.7	0.15 - 0.3	0.21	0.001



HANDROP DIGITAL - MC

8 and 12 channel variable volume digital pipettes with digital display.
Precise volume selector.
Easy calibración and maintenance.
Lightweight and ergonomic design with tip ejector.

code	volume range µl	increments µl	accuracy %	precision %	case weight	case volume
8 chanels						
770210	0,5 - 10	0,1	1,0 - 4,0	1,5 - 4,0	0.36	0.0015
770220	5 - 50	0,5	1,0 - 3,0	0,5 - 2,0	0.36	0.0015
770240	50 - 300	5	0,7 - 1,5	0,25 - 0,8	0.36	0.0015
12 chanels						
770310	0,5 - 10	0,1	1,0 - 4,0	1,5 - 4,0	0.30	0.0015
770320	5 - 50	0,5	1,0 - 3,0	0,5 - 2,0	0.38	0.0015
770340	50 - 300	5	0,7 - 1,5	0,25 - 0,8	0.36	0.0015

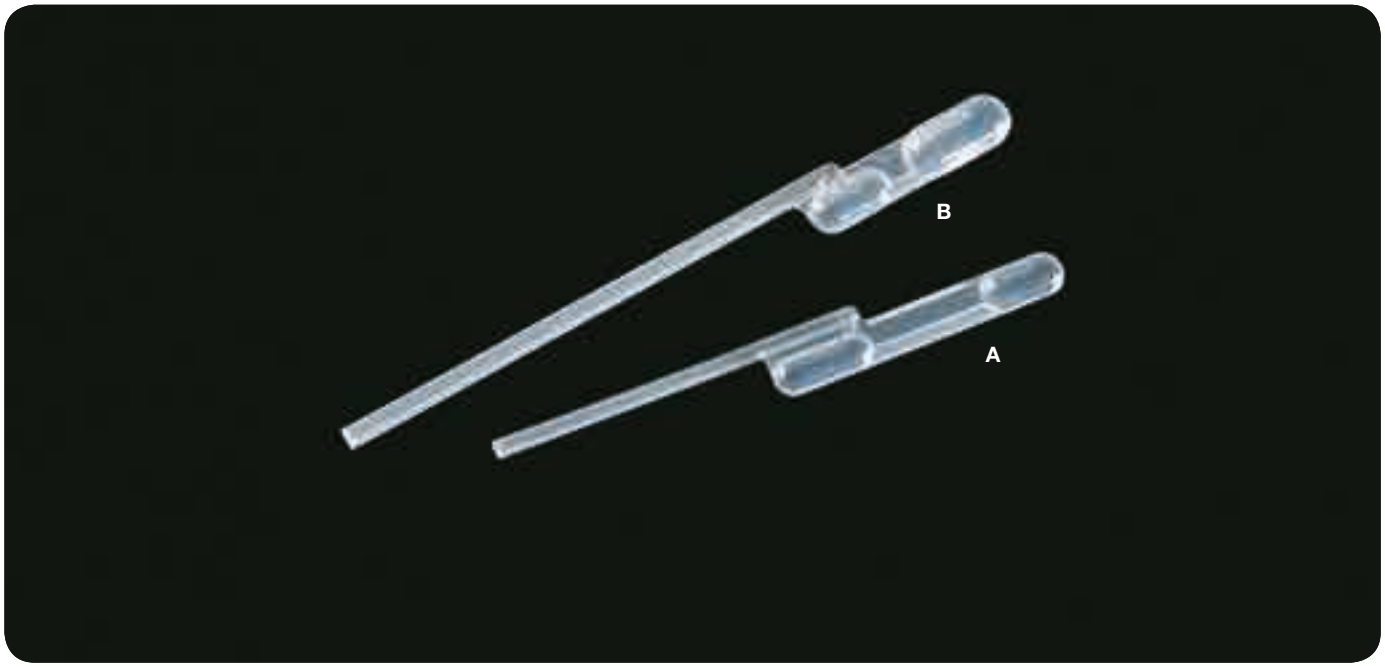


HANDROP STEPPER

Single channel stepper.
Allows to dispense up to 40 different volumes and up to 48 doses.
Compatible with tips on the next page.
Volumes from 1 µl to 5 ml can be dispensed.

code	description	case weight	case volume
721008	Handrop Stepper	0.20	0.0015





Micropipettes

Made in transparent, inert and low density polyethylene. They are used as volume measurers, to incorporate in kits of reagents, pregnancy tests, etc. They can be frozen in liquid nitrogen.
Before use, press the upper bulb, filling all the stem, and the rest remains in the inferior bulb, which it is not due to give.
Volumetrical tolerance: ± 10 %.

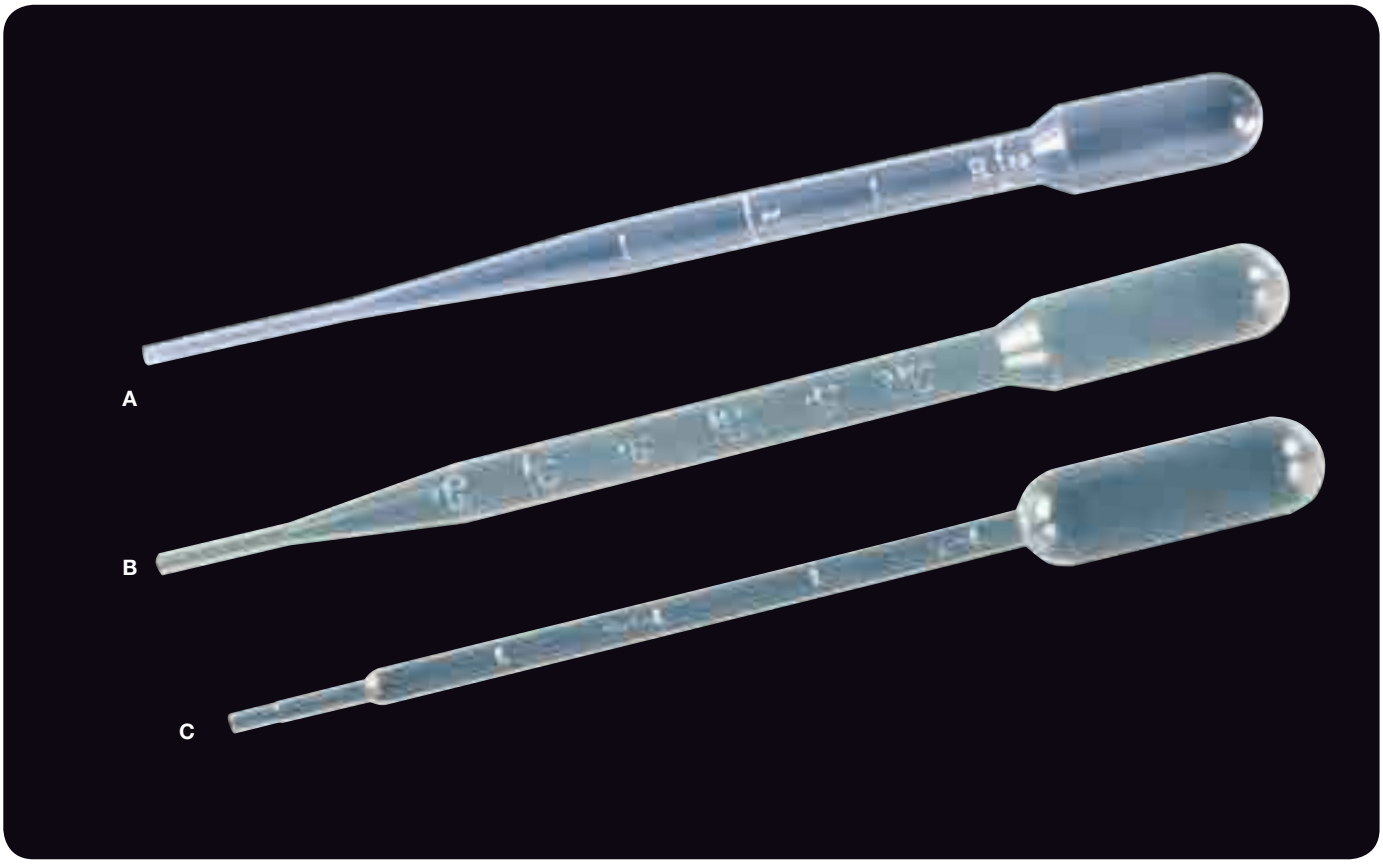
mod.	code	presentation	lenght mm	dispense volume µl	case weight	case volume
A	**201110**	500	83,0	100	0.31	0.003
B	**201250**	500	102,0	250	0.39	0.003



Special purpose pipettes

Made in transparent, inert and low density polyethylene. They can be frozen in liquid nitrogen. Volumetrical tolerance: ± 10 %.

mod.	code	presentation	lenght mm	Ø stem mm	total capacity ml	bulb draw µl	case weight	case volume
A	**210030**	8 x 500	130	3.8	0.5	0.2	2.90	0.023
B	**210005**	500	50	1.19	1.3	1.0	1.90	0.022

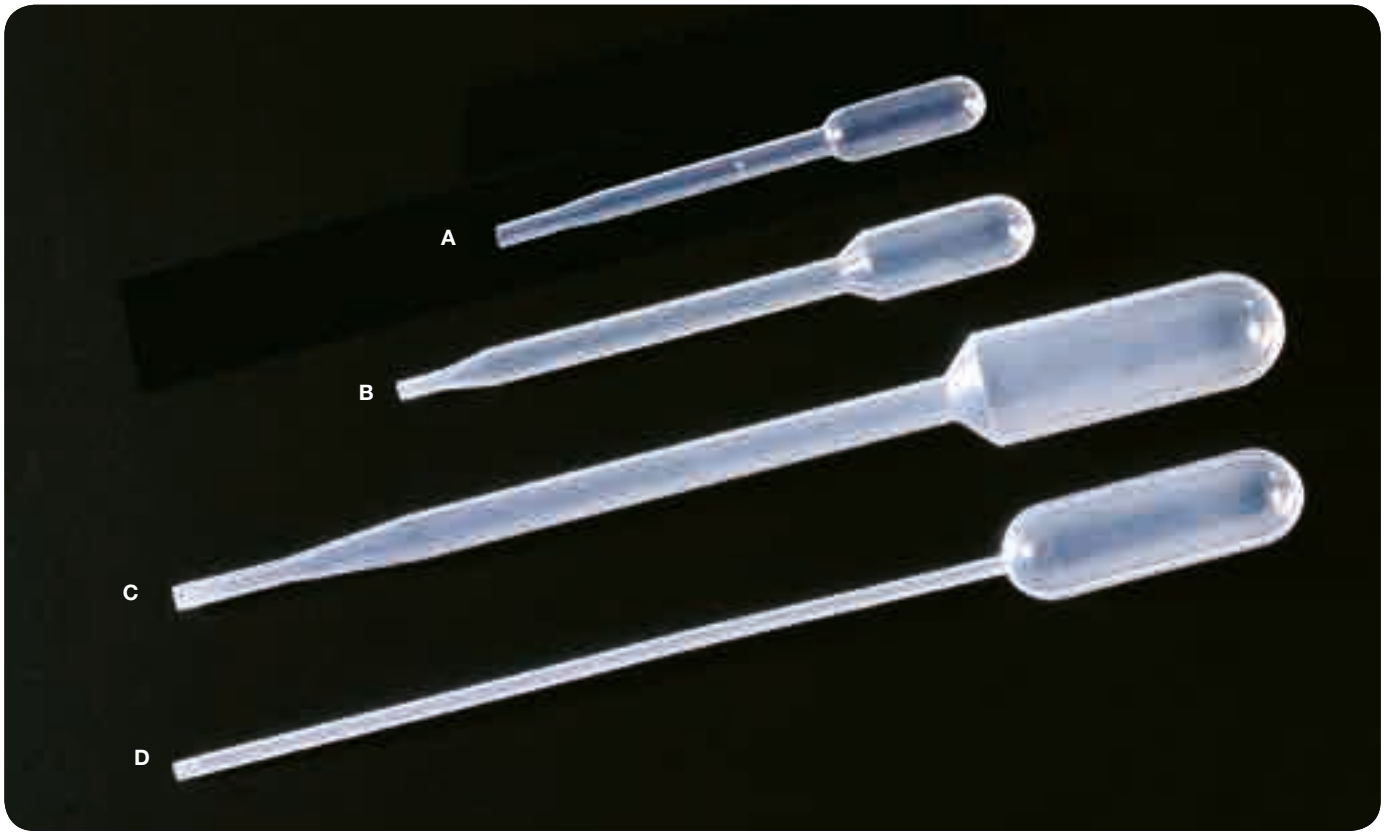


Graduated pipettes

1
2
3

Made in transparent, inert and low density polyethylene.
Sterile models are ethylene oxide sterilized (except codes **200037** and **200034** that are radiation sterilized).
Volumetrical tolerance: ±10%.

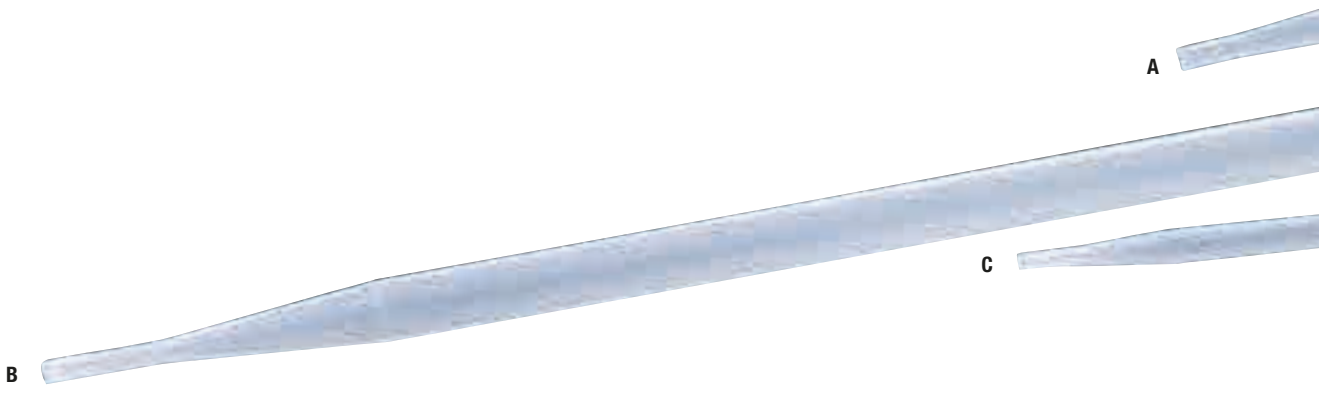
mod.	code	presentation	sterile	lenght mm	Ø stem mm	graduated until ml	total capacity ml	bulb draw ml	graduations ml	case weight	case volume	pallet quantity
A	**200002**	10 x 500	no	152	7.1	2	4.8	1.8	0.50	7.86	0.099	100.000
B	**200006**	10 x 500	no	155	7.8	3	7.5	3.2	0.50	9.65	0.100	100.000
B	**200062.0**	10 x 500 bag 20 u.	OXIDE	160	7.8	3	7.0	3.2	0.50	12.16	0.130	35.000
B	**200007**	6 x 500 individually wrapped peel-pack	OXIDE	154	7.8	3	7.0	3.2	0.50	10.10	0.160	27.000
B	**200037**	6 x 500 individually wrapped flow-pack	STERILE R	154	7.8	3	7.0	3.2	0.50	8.19	0.158	27.000
C	**200003**	6 x 500	no	155	4,6	1	5.8	3.4	0.25	5.10	0.061	90.000
C	**200032.0**	6 x 500 bag 20 u.	OXIDE	158	5.0	1	5.0	3.1	0.25	6.48	0.067	48.000
C	**200004**	6 x 500 individually wrapped peel-pack	OXIDE	154	5.0	1	5.0	3.1	0.25	9.23	0.165	27.000
C	**200034**	6 x 500 individually wrapped flow-pack	STERILE R	154	5.0	1	5.0	3.1	0.25	7.07	0.162	27.000



General purpose pipettes

Made in transparent polyethylene.
Model **200038** is sterile by radiation and code **200008** is sterile by ethylene oxide.
Volumetrical tolerance: ±10 %.

mod.	code	presentation	sterile	lenght mm	Ø stem mm	total capacity ml	bulb draw ml	case weight	case volume
A	**200121**	10 x 1,000	no	67	3.9	1.1	0.5	4.24	0.051
B	**200001**	8 x 500	no	87	4.7	1.7	0.9	3.50	0.038
C	**200000**	10 x 400	no	150	6.3	8.0	4.6	8.70	0.096
D	**200005**	6 x 500	no	155	2.5	4.6	3.3	4.79	0.060
D	**200008**	6 x 500 individually wrapped peel-pack	**STERILE EO**	150	2.5	4.0	3.1	13.00	0.162
D	**200038**	6 x 500 individually wrapped flow-pack	**STERILE R**	150	2.5	4.0	3.1	13.00	0.162

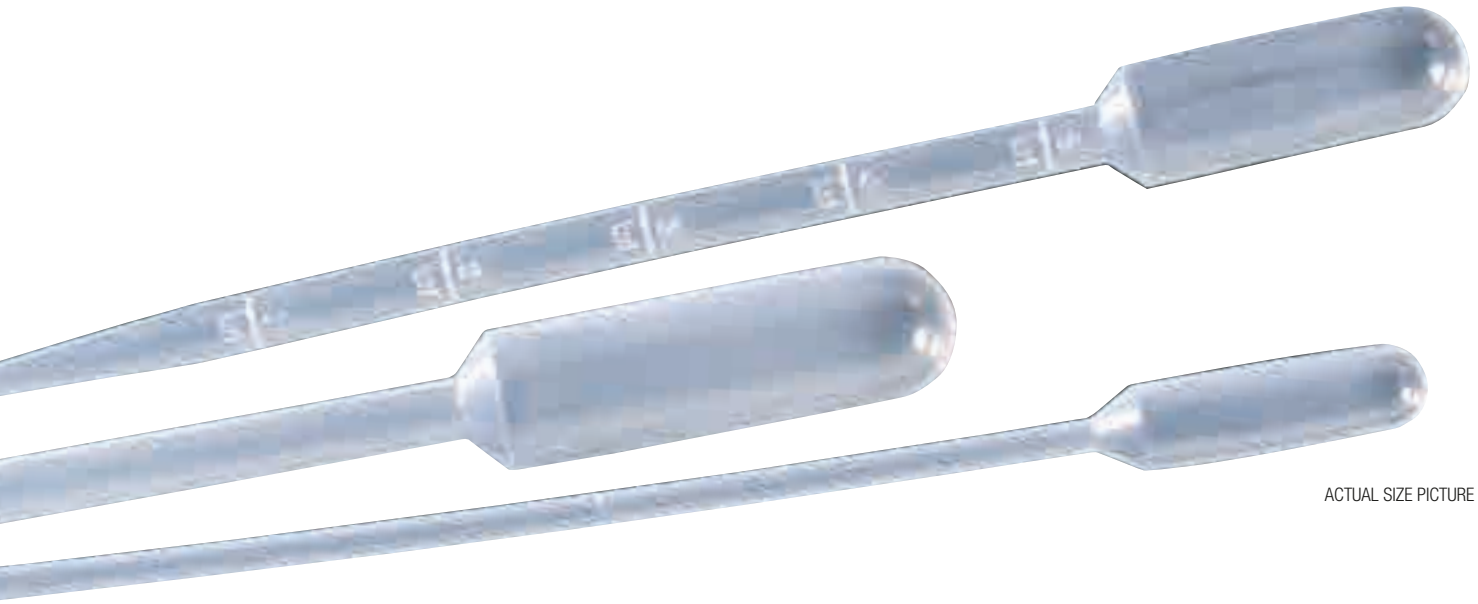




General purpose pipettes

Made in transparent an inert polyethylene.
Sterile models are sterilized by ethylene oxide. Volumetrical tolerance: ±10 %.

mod.	code	presentation	sterile	lenght mm	Ø stem mm	total capacity ml	bulb draw ml	case weight	case volume
A	**210003**	8 x 400	no	104	3.0	1.5	1.0	2.24	0.022
A	**210023**	500 individually wrapped peel-pack	**STERILE EO**	104	3.0	1.5	1.0	1.38	0.027
B	**210002**	10 x 500	no	144	5.0	5.0	3.3	7.30	0.099
B	**210022**	500 individually wrapped peel-pack	**STERILE EO**	144	5.0	5.0	3.3	1.66	0.027
C	**210004**	8 x 250	no	153	3.0	5.5	3.0	3.30	0.042
C	**210024**	500 individually wrapped peel-pack	**STERILE EO**	153	3.0	5.5	3.0	1.63	0.028



ACTUAL SIZE PICTURE

Extra long pipettes

Made in transparent polyethylene. Model **200050** is graduated each ml up to 5 ml. Volumetrical tolerance: ±10 %.

mod.	code	presentation	lenght mm	Ø stem mm	total capacity ml	bulb draw ml	case weight	case volume
A	**200050**	10 x 250	216	-	13.7	6.2	8.40	0.110
B	**200060**	10 x 100	300	9.0	23.0	7.1	7.60	0.110
C	**210006**	10 x 400	225	5.0	6.0	2.3	9.04	0.098





Non graduated serological pipettes. Sterile

Single use, made in polystyrene, without graduation. **In sterile packing by radiation**.
DNAse and RNAse free, non cytotoxic, non haemolitic, apyrogen. Without cotton.
Standard tip, see picture (A) at the page 193.
Suitable for Integra VacuSafe Comfort and others.
Dimensions:
External tip diameter, between 5.45 - 5.7 mm, internal diameter tip end: between 1.8 - 2.2 mm.

code	capacity ml	presentacion	case quantity	case weight	case volume
900032.1	2	peel pack de 1	4 x 500	11.30	0.071

Sterile single use Straw-like pipettes

Single use straw-like non graduated pipettes. In polypropylene.
Suitable for automatic pipettes. **Sterilized by radiation**.
Packaged in flow packs of 25 units.
Outer diameter: 4.35 mm. Inner diameter: 3.65 mm.

code	capacity ml	lenght mm	case quantity	case weight	case volume
900050	1.0	190	40 x 25	1.19	0.007



Pipette trays

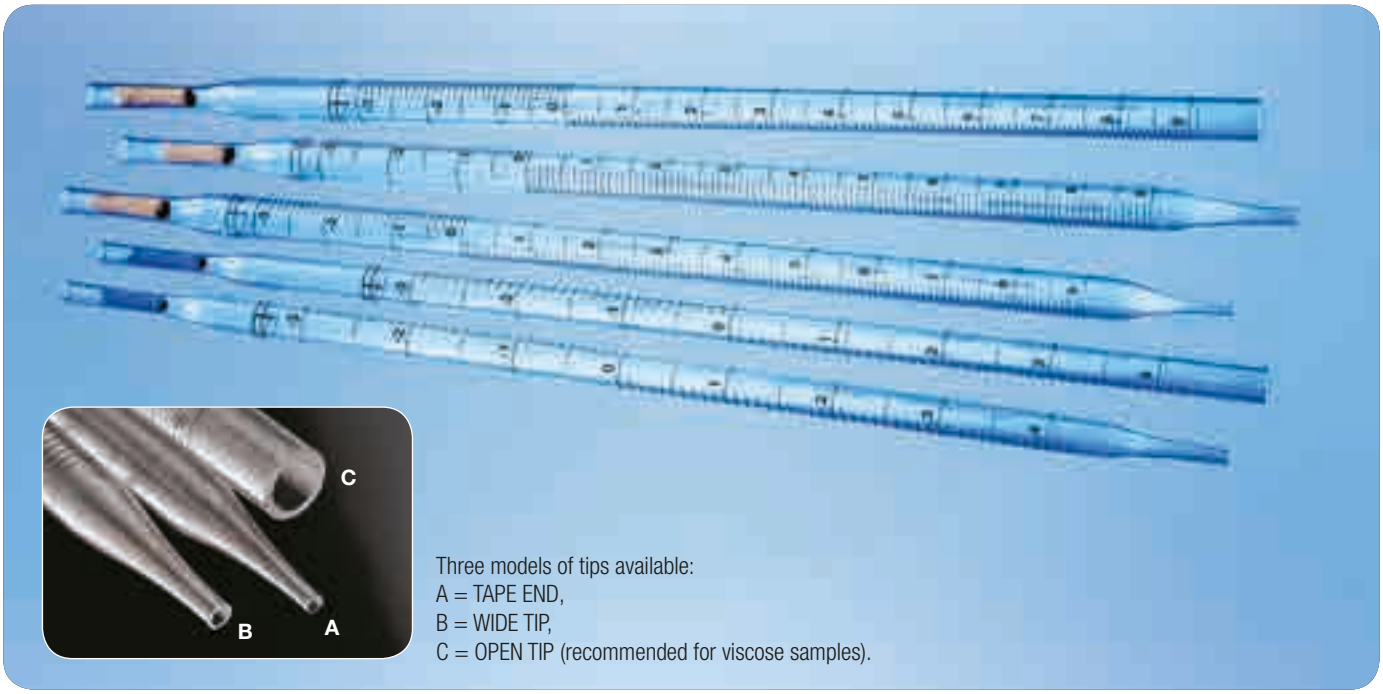
Made of white PVC.
Resistant to temperatures from **–20 ºC** to **80 ºC**.

Model 1, code **19252**, is perfect to fit inside drawers. It includes four compartments that can hold up to thirty pipettes of 1, 2, 5, or 10 ml.

Model 2, code **19996**. Sixteen pipettes up to 10 mm diameter can be accommodated longitudinally; laterally, seven pipettes up to 20 mm diameter.
Tray edges are ergonomically designed for a better handling. It is also useful with other instruments.

mod.	code	dimensions mm	case quantity	case weight	case volume
1	**19252**	426 x 300 x 30	1	0.53	0.006
2	**19996**	283 x 216 x 40	6	1.38	0.017

www.laboquimia.es



Three models of tips available:
A = TAPE END,
B = WIDE TIP,
C = OPEN TIP (recommended for viscose samples).

Sterile serological pipettes

Single use, made of crystal polystyrene. Accuracy > 98 %.
Sterilised by radiation. Made in **one piece** for an optimum precision, except code **90043** (50 ml).
No liquid retention: as tip is not sealed, liquid is not held at the joint. Total dispensing guaranteed.
Non pyrogenic, non cytotoxic (ISO 10993-5) and non haemolytic (ISO 10993-4). **DNase and RNase free.**
Volumes range from 1 to 50 ml. Pipettes include a coloured cotton plug for better identification.
The peel-pack have a f**iber-free** packaging including a strip for easy opening. Black graduations are bright, black and **permanent**. 5, 10 and 25 ml models have negative graduations for extra capacity, and a second reverse scale (ascending and descending).
Precision certified according to ASTM E934 and ISO 12771.

code	capacity ml	presentation	cotton colour	case quantity	tip	graduation ml	negative graduation ml	total capacity ml	case weight	case volume	cases palet
900030	1	1 peel-pack	●	4 x 500	A	0/0.9	until –0.3	1.3	10.00	0.072	24
900031	1	bag of 25	●	4 x 1,000	A	0/0.9	until –0.3	1.3	14.52	0.071	30
900130	1	1 peel-pack	●	4 x 500	C	0/0.9	until –0.3	1.3	10.10	0.071	30
900131	1	bag of 25	●	4 x 1,000	C	0/0.9	until –0.3	1.3	14.00	0.071	25
900032	2	1 peel-pack	●	4 x 500	A	0/1.8	until –0.4	2.4	10.60	0.072	30
900033	2	bag of 25	●	4 x 1,000	A	0/1.8	until –0.4	2.4	17.20	0.071	30
900034	5	1 peel-pack	●	4 x 250	A	0/4	until –3	8	12.40	0.072	24
900038	5	bag of 25	●	4 x 375	A	0/4	until –3	8	15.00	0.071	30
900144N	5	1 peel-pack	●	4 x 250	B	0/4	until –3	8	12.20	0.072	30
900036	10	1 peel-pack	●	4 x 200	A	0/9	until –3	13	11.45	0.072	24
900037	10	bag of 25	●	4 x 250	A	0/9	until –3	13	13.08	0.071	30
900146N	10	1 peel-pack	●	4 x 200	B	0/9	until –3	13	11.51	0.072	30
900136N	10	1 peel-pack	●	4 x 200	C	0/9	until –3	13	11.51	0.072	30
900041	25	1 peel-pack	●	4 x 100	A	0/23	until –10	35	11.20	0.072	24
900043	50	1 peel-pack	●	4 x 25	A	1/2	until –10	60	2.50	0.019	60

Please find racks for these tubes in **Chapter 9. Sample Storage**

See our plastic Pasteur pipettes in **Chapter 8. Liquid Handling** (pages 189-192).





121°C

Pipetting bulb

Made of rubber. Used to avoid mouth pipetting and contamination risk.
Can be opened, cleaned and **autoclaved**.
Ideal for Wintrobe and Westergren pipettes.

code	description	bag quantity	bag weight	bag volume
19201	red pippeting bulb	1	0.04	0.0002

Pipette pumps

Several models for various pipette volumes.
Designed for fast and efficient pipetting with simple, one handed operation.
Pipettes fit smoothly into collar.
Rotate the knurled thumb wheel on the side for precision filling or dispensing, and press the fast release lever for quick emptying.
Easy to use and easily disassembled for cleaning.
Sizes are colour coded.
Pipette pumps resist acids and alkalies.
Attention: New models coming soon.

code	description	colour	bag quantity	bag weight	bag volume
W-100	up to 2 ml	blue	1	0.06	0.0002
W-110	up to 10 ml	green	1	0.06	0.0002
W-120	up to 25 ml	red	1	0.06	0.0002





See our Chapter 9. **Sample storage**

See our Chapter 12. **Hygiene and Safety**

www.laboquimia.es

deltalab



Glass Pasteur pipettes, open mouth

Soda glass. Dimensions: Ø mouth: 6.95 ± 0.15 mm; Ø tip: 1.2 ± 0.15 mm; 0.53 ± 0.03 thick.

mod	code	total lenght mm	stem lenght mm	case quantity	case weight	case volume
1	**701**	150	59	4 x 250	3.33	0.012
2	**702**	230	130	4 x 250	3.50	0.018

Glass Pasteur pipettes, closed tip

Made of neutral soda glass, with the tip closed and cotton in the mouth. Easy opening of the closed part by pushing it slightly. Dimensions: mouth: 7.00 mm; tip: 1.4 to 1.6 mm; thickness: 0.50 mm.

mod	code	total lenght mm	stem lenght mm	case quantity	case weight	case volume
3	**712**	230	130	4 x 250	3.68	0.014

Pipetting bulbs

Designed for pipetting with plastic and glass pipettes.

mod	code	material	total length mm	Ø max. mm	capacity pipetting ml	bag quantity	bag weight	bag volume
4	**19194**	latex	35	14	2	100	0.15	0.0007
5	**19195**	silicone	40	15	1,5 - 1,8	50	0.22	0.0009

EUROTUBO® Pipetting bulb

This one-handed design is the simplest safety pipette filler to use available. Manufactured in natural orange rubber.
Approx. drawn capacity: 25 ml.
Single hand use, only two operating points. Evacuate via the automatic valve.
Standard model, accommodates all pipettes. Ability to clean inside of bulb by removing patented valve and rinsing out.

code	description	bag quantity	bag weight	bag volume
19200	pippeting bulb	1	0.05	0.0004



1. Evacuate the air by pressing the bulb, as the drawing indicates.



2. Intake by pressing on point B ⓐ

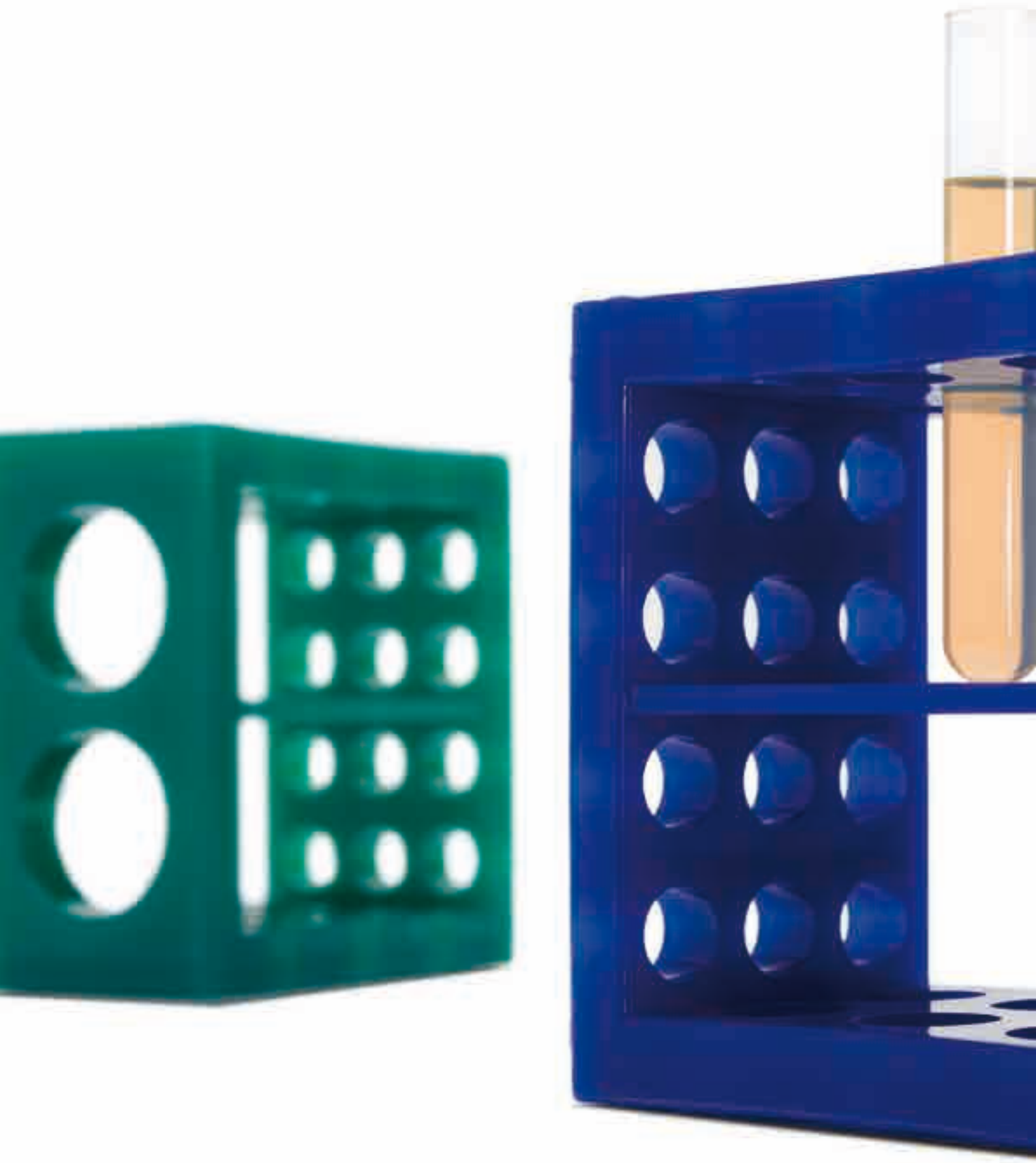


3. Drain the liquid by pressing on point A ⓐ



4. Blow out the pipette by pressing as the drawing indicates (point C).









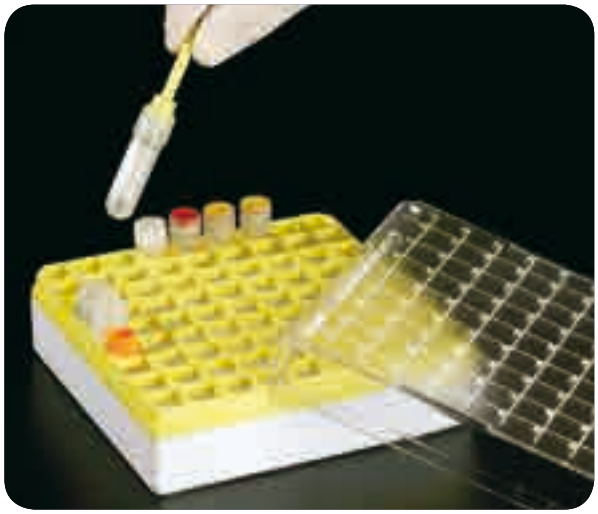


Polycarbonate racks for cryovials

These racks provide ultra low temperature storage (**from –196 ºC** to **121 ºC**), holding 2 or 5 ml cryovals (depending on the model).
Compatible with other storage systems, they can be sterilised using **autoclave** protocols.
They can also be immersed in liquid nitrogen, where its design means minimal issues with excess liquid on their removal.

code	capacity*	colour		max. Ø tubes mm	dimensions mm	max. tubes capacity	max. tubes height	case quantity	case weight	case volume
M-061NA	25	orange	D	12	75 x 75 x 52	2 ml	48	5	0.35	0.002
M-061AM	25	yellow	E	12	75 x 75 x 52	2 ml	48	5	0.35	0.002
M-062B	81	blue		12	132 x 132 x 53	2 ml	48	5	1.00	0.007
M-062R	81	red	C	12	132 x 132 x 53	2 ml	48	5	1.00	0.007
M-063B	81	blue	B	12	132 x 132 x 95	5 ml	93	5	1.25	0.013
M-063R	81	red		12	132 x 132 x 95	5 ml	93	5	1.25	0.013
M-064V	100	green	A	12	132 x 132 x 53	2 ml	48	5	0.95	0.007
M-064AM	100	yellow		12	132 x 132 x 53	2 ml	48	5	0.95	0.007

* The capacity of codes M-064V and M-064AM is halved when used with capped cryovials with external threads.



Polystyrene racks for cryovials

Made of polystyrene, those boxes are designed to hold 1 and 2 ml cryovials at temperatures from **–80 ºC** to **80 ºC**. Stackable.
Boxes with white base and numbered inner rack. Boxes are stackable and have air vents.
Covers are keyed to the base to prevent misalignment.
Each box is supplied with an innovate vial picker for easy vial removal.
Dimensions: 133 x 133 x 52 mm.
Capacity: 100. Ø wells: 12.8 mm.

code	colour	capacity	case quantity	case weight	case volume
M-036B	blue	81	4	0.62	0.0045
M-036AM	yellow	81	4	0.62	0.0045

www.laboquimia.es



Polycarbonate racks for cryovials

Made of extra strong polycarbonate, these boxes are designed to be used at temperatures between **–190 ºC** and **121 ºC** and are **autoclavables**.
Racks can hold either 81 or 100 tubes from 1 ml to 5 ml. They can be immersed in liquid nitrogen. Transparent covers are printed with an alphanumerical grid.
Boxes made to accept 81 tubes have a white base and a coloured grid (in which each well is numbered) (A type).
Boxes made to accept 100 tubes* have a coloured base, with each place numbered in the lid, instead of a grid (B type).
Each box is supplied with an innovative vial picker for easy vial removal (see C).
Boxes are stackable and have air vents. Covers are keyed to the base to prevent misalignment.

code	colour	case quantity	case weight	case volume
For 1.2 and 2 ml cryovials. 81 holes. Dimensions: 133 x 133 x 52 mm				
M-033AM	yellow	4	0,73	0,0043
M-033R	red	4	0,73	0,0043
M-033V	green	4	0,73	0,0043
For 3.4 and 5 ml cryovials. 81 holes. Dimensions: 133 x 133 x 95 mm				
M-034AM	yellow	10	2,28	0,0200
For 1.2 and 2 ml cryovials. 100 holes. Dimensions: 133 x 133 x 52 mm				
M-035AM	yellow	4	0,72	0,0043
M-035R	red	4	0,72	0,0043
M-035V	green	4	0,72	0,0043

* The capacity of codes M-035AM, M-035R and M-035V, is halved when used with capped cryovials with external threads.

Polycarbonate rack for cryovials

Made of polycarbonate, this box is designed to store up to 42 cryovials (10 ml, code 401410) at temperatures between **–190 ºC** and **121 ºC**.
Autoclavable and stackable.
Transparent cover is printed with the indication of the well number from 1 to 42. White base and blue grid, with numbered wells. They can be immersed in liquid nitrogen.
Upon removal of the bath, excess liquid is discharged through vents incorporated.
Cover is keyed to the base to prevent misalignment.
Dimensions: 133 x 133 x 95 mm

code	description	case quantity	case weight	case volume
M-036A	PC rack for 10 ml cryovials	5	1.23	0.011

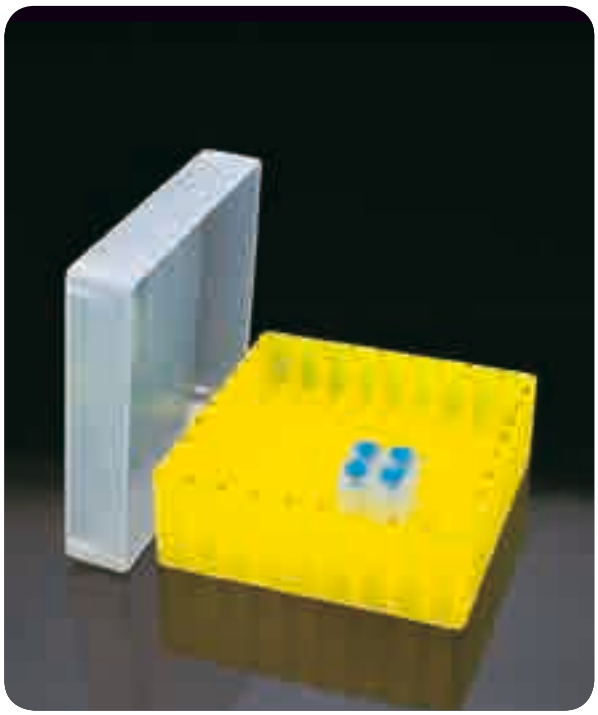




Rack 9x9 height 45

Polypropylene rack. Dimensions with lid: 133 x 133 x 45 mm.
Available in fluorescent colours with transparent lid to help identification.
It resists –196 ºC and is **autoclavable** up to **121 ºC**.
Sections will hold 81 microtubes (0.5, 1.5 or 2 ml) or cryotubes (1.2 ml) up to 12 mm diameter and 42 mm height.
The capacity is reduced when storing external screw cryotubes.
It embodies an alpha numeric grid printed on the base and over the upper rims for a clearer identification of samples.
Suitable with tubes: **200400, 200401, 200405, 200407, 200410, 4092.2N, 4092.5N, 4092.6N, 4092.6NS, 409001.**

code	colour	quantity	weight	volume
M-020AM	yellow	1	0.17	0.0003
M-020N	natural	1	0.17	0.0003
M-020R	red	1	0.17	0.0003
M-020V	green	1	0.17	0.0003



Rack 9x9 height 50

Polypropylene rack. Dimensions with lid: 133 x 133 x 53 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists -196º C and is **autoclavable** up to **121 ºC**.
Sections will hold 81 microtubes (0.5, 1.5 or 2 ml) or cryotubes (1.2 or 2 ml) up to 12.5 mm diameter and 50 mm height.
The capacity is reduced when storing external screw cryotubes.
It embodies an alpha numeric grid printed on the base and over the upper rims for a clearer identification of samples.
Suitable with tubes: **200400, 4092.2N, 4092.5N, 4092.6N, 409002,409002.1, 409110.1, 409111/2.**

code	colour	quantity	weight	volume
U-9950CAM	yellow	1	0.17	0.0011
U-9950CN	natural	1	0.17	0.0011
U-9950CNA	orange	1	0.17	0.0011
U-9950CR	red	1	0.17	0.0011
U-9950CV	green	1	0.17	0.0011



Rack 9x9 height 95

Polypropylene rack. It can be freezed down to **–196 ºC,** and **autoclaved** up to **121 ºC**.
Dimensions with lid: 133 x 133 x 95 mm.
Available in fluorescent colors with translucent-transparent lid.
Ideal for 4 or 5 ml cryotubes.
81 sections will hold microcontainers up to 12 mm diameter and 93 mm high: screw cap microtubes, cryovials (even those of 4 and 5 ml), snap cap microtubes, and short-medium sized tubes.
Suitable with tubes: **300300, 300500, 300700, 300800, 400700, 400800, 401100.**

code	colour	bag quantity	bag weight	bag volume
U-9581N	natural	1	0.24	0.0026

Check availability for yellow and green.

www.laboquimia.es

deltalab

Rack 8x8 round hole height 45

Polypropylene rack, **autoclavable** up to **121 ºC**.
Dimensions with lid: 133 x 133 x 53 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists –196º C.
Sections will hold 64 microtubes (0.5, 1.5 or 2 ml) or cryotubes (1.2 ml) up to 11 mm diameter and 42 mm height.
Alphanumeric identification.
Suitable with tubes: **4092.1N, 4092.1NS, 4092.2N, 4092.5N, 4092.6N, 4092.6NS, 200400, 409111/1.**

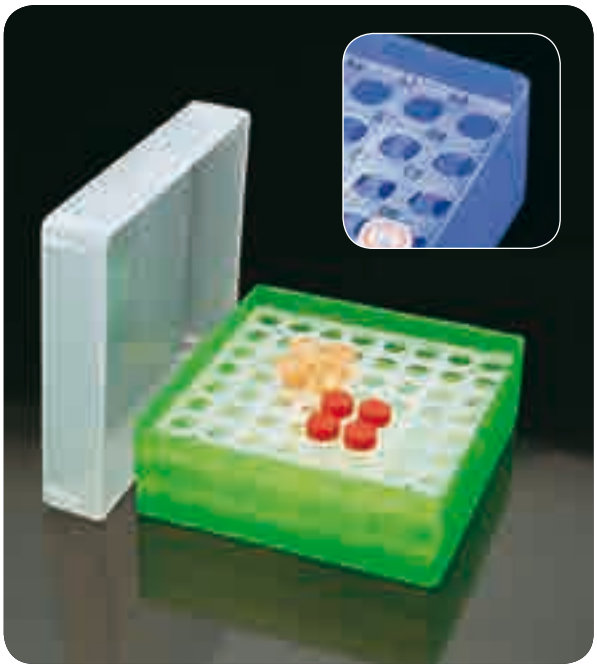
code	colour	quantity	weight	volume
U-8845A	blue	1	0.13	0.001
U-8845N	natural	1	0.15	0.001



Rack 8x8 round hole height 50

Polypropylene rack, **autoclavable** up to **121 ºC**.
Dimensions with lid: 133 x 133 x 53 mm.
Available in fluorescent colours with transparent lid to help identification. **Resists –196º C**.
Sections will hold 64 microtubes (0.5, 1.5 or 2 ml) or cryotubes (1.2 or 2 ml) up to 11 mm diameter and 50 mm height.
Alphanumeric identification.
Suitable with tubes: **200400, 408003, 409110.1, 409110.2, 409110.3, 409110.4, 409110.5, 409111/1, 409111/2, 409111/3, 409111/4, 409111/5, 409111/6, 4092.2N, 4092.5N, 4092.6N, 4092.6NS.**

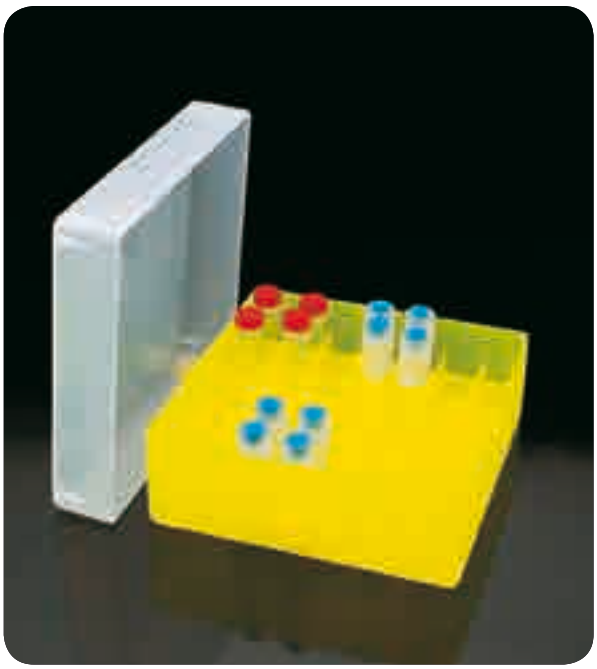
code	colour	quantity	weight	volume
U-8850A	blue	1	0.13	0.0011
U-8850NA	orange	1	0.13	0.0011



Rack 7x7 height 50

Polypropylene rack, **autoclavable** up to **121 ºC**.
Dimensions with lid: 133 x 133 x 53 mm.
Available in fluorescent colours with transparent lid to help identification. **Resists –196º C**.
Sections will hold 49 microtubes (0.5, 1.5 or 2 ml), cryotubes (1.2 or 2 ml), o low volume tubes, up to 16 mm diameter and 50 mm height.
Suitable with tubes: **409002, 409002.1, 409104.1, 409106.1, 409106.2.**

code	colour	quantity	weight	volume
U-7750A	blue	1	0.14	0.0012
U-7750AM	yellow	1	0.14	0.0012
U-7750N	natural	1	0.14	0.0012



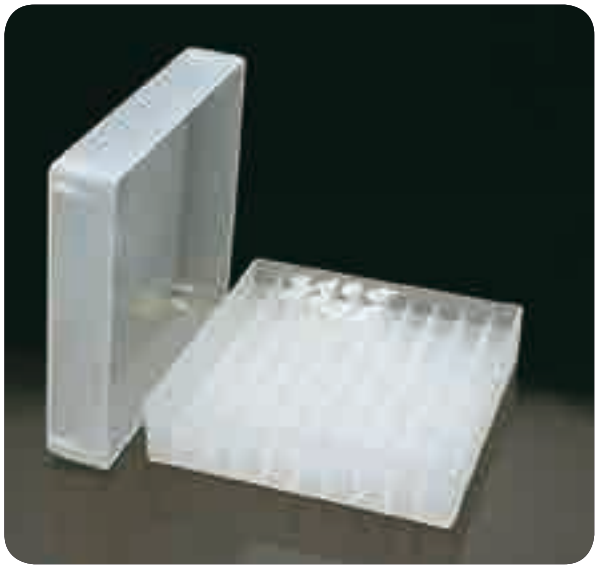


Freezing cardboard storage box, pre-assembled compartments

Designed for storage and preservation of frozen samples.
Made of white treated cardboard and covered by special white paper hand-stuck and hand-assembled for a better quality.
Pre-assembled compartments.
Resist temperatures up to –100 ºC. Ideal for microtubes and cryovials.
There are alphanumeric identifications printed on each box.
Suitable for the racks of freezer chests.
The models **M-600** and **M-610** are silk screen printed on the base and lid.
The other models have no printings.
These box can be custom-designed made, ask to our commercial department.

code	external dimensions mm	grid num.	Ø holes mm	case quantity	case weight	case volume
M-600	150 x 150 x 55	10 x 10	12	10	1.78	0.023
M-610	150 x 150 x 100	10 x 10	12	10	2.33	0.043
M-607	134 x 134 x 47	10 x 10	10	10	1.23	0.013
M-606	134 x 134 x 57	10 x 10	10	10	1.95	0.013
M-603	134 x 134 x 75	9 x 9	12	10	1.70	0.021
M-604	134 x 134 x 79	9 x 9	12	10	1.75	0.014

A-Z
O-1



Rack 10x10 height 37

Polypropylene rack.
Dimensions with lid: 133 x 133 x 37 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists –196 ºC and **autoclavable** up to **121 ºC**. Sections will hold 100 microtubes up to 10 mm diameter and 34 mm height.

Suitable with tubes: **4092.1N, 4092.1NS, 900117.**

code	colour	quantity	weight	volume
U-0537A	blue	1	0.15	0.0012
U-0537N	natural	1	0.15	0.0012
U-0537NA	orange	1	0.15	0.0012
U-0537V	green	1	0.12	0.00062

121ºC



Rack 4x4 height 45

Polypropylene rack.
Dimensions with lid: 67 x 67 x 45 mm.
Available in fluorescent colors with transparent lid. It can be freezed up to **–196 ºC**, and **autoclaved** up to **121 ºC**.
16 sections (15x15 mm) will hold screw cap microtubes (range **409110.1** for example), cryovials (as code **409001**), snap cap microtubes (see codes **200400** or **4092.2N**), and short tubes (codes **300500, 400500, 401100**).
Black color rack includes a black lid and is perfect to store light sensitive samples; it can be combined with our opaque microtubes (range **409113.1**)
It may be used with taller tubes as the lid lies on their caps (up to 60 mm high).

code	colour	bag quantity	bag weight	bag volume
U-4445N	natural	5	0.17	0.0013
U-4445A	blue	5	0.17	0.0013
U-4445AM	yellow	5	0.17	0.0013
U-4445NE	black	5	0.17	0.0013

121ºC

www.laboquimia.es

Racks with lid

Polypropylene rack, **autoclavable** and designed for storage of samples down to **–90 ºC**.
The lid is jointed to the rack by hinges. Available in fluorescent colours.
The racks are alphanumerically matrixed and are designed for 1.5 and 2 ml microtubes or 2.0 ml cryotubes; and we can supply two different models which can accommodate 50 and 100 tubes respectively.
Dimensions: 71 x 153 x 53 mm (50 wells).
140 x 153 x 53 mm (100 wells).

code	colour	holes	case quantity	case weight	case volume
M-500	natural	50	20	2.48	0.020
M-501	neon green	50	20	2.48	0.020
M-502	neon pink	50	20	2.48	0.020
M-503	neon yellow	50	20	2.48	0.020
M-510	natural	100	20	3.98	0.028
M-511	neon green	100	20	3.98	0.028
M-512	neon pink	100	20	3.98	0.028
M-513	neon yellow	100	20	3.98	0.028

Minimum order quantity: 5 and multiples of 5 up to 20. From 20, multiples of 20.



Microtube racks with lift-off telescopic lid

Made of **autoclavable** polypropylene, those racks are designed for long-term storage of samples at temperatures down to **–90 ºC**.
Model **M-450** can accommodate 50 microtubes of 0.5 ml (hole diameter 10 mm).
Model **M-410** can accommodate 50 microtubes of 1.5/2.0 ml (hole diameter 12 mm).
Lids have a moulded-in alphanumeric location identification system with a clear centre panel for easy tube viewing.
Four frosted side panels and a frosted rim on the edges of the lid provide additional labeling options.

code	dimensions mm	case quantity	case weight	case volume
M-450	120 x 60, height 37,5	5	0.48	0.0022
M-410	140 x 73, height 37,5	5	0.53	0.0035

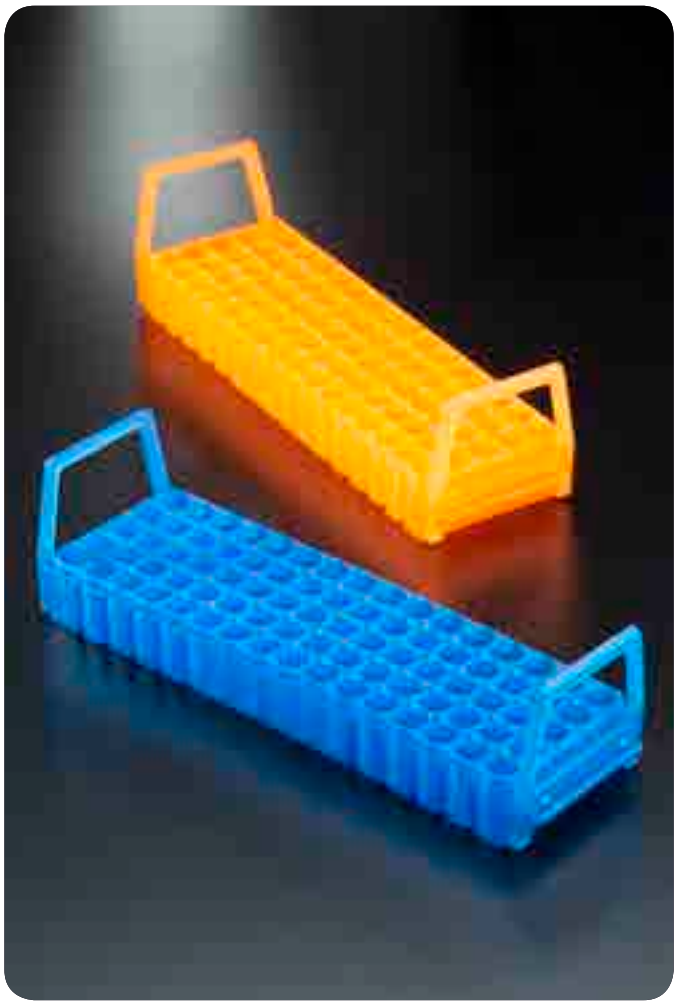


Microtube storage racks in hinged boxes

Made of white polypropylene. Designed to hold 24 or 48 microtubes or cryovials of 1.5/2.0 ml sizes.
Tubes are presented on four levels for better sample viewing.
Each well is numbered.
Model M-052 consists of one 24 hole-rack supplied in a white hinged box with transparent cover; model **M-053** consists of two 24-hole racks, also housed in a white hinged box with transparent cover. Racks are removable from boxes and are stackable.
They float in water bath and can incorporate dry ice for use with frozen samples on the bench.
Fully autoclavable (**121 ºC**) and freezable down to **–90 °C**.
Dimensions: **M-052**: 120 x 85 x 60 mm.
M-053: 235 x 85 x 60 mm.

code	description	case quantity	case weight	case volume
M-052	rack for 24 microtubes	10	1.34	0.009
M-053	rack for 48 microtubes	5	1.34	0.009





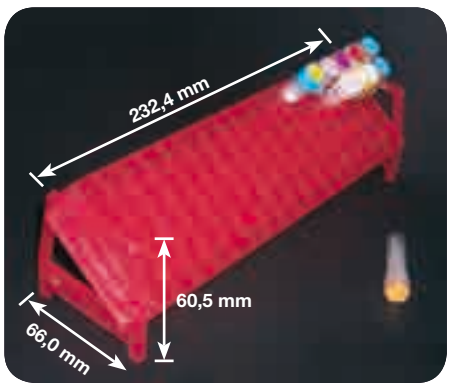
Reversible racks with removable handles

Made of polypropylene, **autoclavable** up to **121 ºC**.

The racks have two sides for different tubes: one side holds up to 80 tubes of 12 mm diameter (for example 10 x 75 mm or 12 x 75 mm tubes, microtubes, etc.) and the other side holds up to 60 microtubes or PCR (8 mm Ø, 0.2 or 0.5 ml).

By removing the handles, units can be firmly anchored laterally to one another and more units can be added on top of each other, thanks to small pins supplied with the racks.

code	colour	case quantity	case weight	case volume
M-563A	blue	10	1.60	0.008
M-563NA	orange	10	1.60	0.008





80 well racks

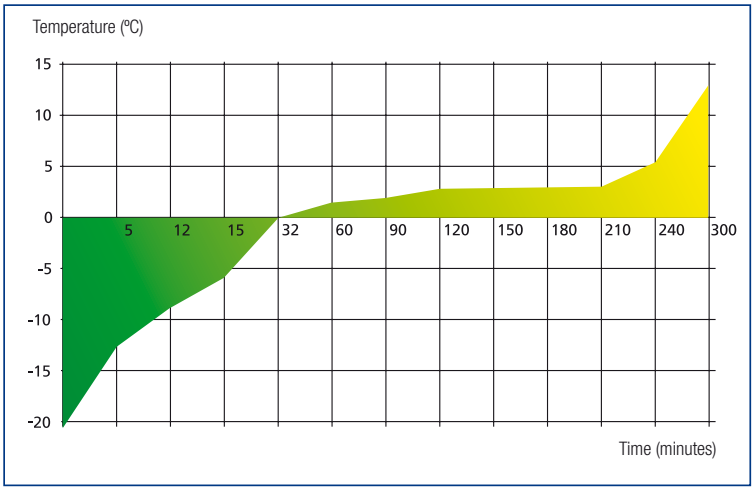
Made of **autoclavable** polypropylene, those racks are designed for freezer storage and are rated to **–80 ºC**.
Racks are designed to accommodate microtubes of diameter up to 11 mm.
They are space-saving, as they feature 80 wells in a 5 x 16 configuration.
An alpha-numeric matrix allows accurate sample identification.
Lateral handles allow easy handling of the racks. Racks can be used alone or placed into the box **M-011.1** (made of translucent plastic).
Racks are compatible with the Gilson FC80 dispenser, for example.

code	description	dimensions mm	case quantity	case weight	case volume
M-010.1	yellow rack	225 x 65 x 27	5	0.86	0.0023
M-010.2	natural rack	225 x 65 x 27	5	0.86	0.0023
M-010.5	blue rack	225 x 65 x 27	5	0.86	0.0023
M-010.6	red rack	225 x 65 x 27	5	0.86	0.0023
M-010.7	green rack	225 x 65 x 27	5	0.86	0.0023
M-011.1	box with lid	230 x 85 x 60	5	0.65	0.0070

www.laboquimia.es

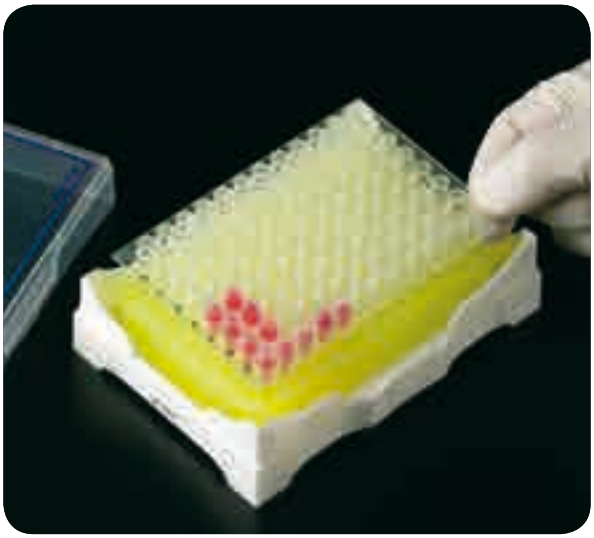
Isofreeze Rack with temperature indicator

Manufactured from polypropylene, this rack is filled with a non-toxic gel that maintains **4 ºC** temperature for almost three hours and a half when the rack is removed from the freezer (or in case of freezer failure), protecting PCR reagents, cells, enzymes, etc, from fast temperature changes.
Moreover, the plastic changes its colour from green to yellow as long as the temperature of the rack changes (see figure). It can hold up to 96 0,2 ml single microtubes, strips, and plates.
Dimensions with lid: 141 x 99 x 44 mm.
Dimensions without lid: 141 x 99 x 38 mm.
ATTENTION: Freeze for a minimum of eight hours at **–20 ºC** before use. Keep it covered while being used.
Store at the freezer while not being used



code	description	case quantity	case weight	case volume
M-572	yellow-green isofreeze rack	2	0.64	0.003

See our PCR tubes and plates in Chapter 2. **Molecular biology**


Rack at room temperature


Rack at -20 ºC



96 well PCR rack

Base and cover made of **autoclavable** polypropylene.
Designed for storing and working 0,2 ml PCR tubes, separate or in strips. 96-well plates can also be accommodated.
Both base and cover have an alphanumeric identification.
Once covered they are stackable.
Racks can be horizontally attached to each other in order to build-up any configuration.
Dimensions with cover: 132 x 91 x 32 mm
It withstands from **–90 ºC** to **121 ºC**.

code	description	case quantity	case weight	case volume
M-585	blue PCR rack	20	3.00	0.020
M-581	yellow PCR rack	20	3.00	0.020

Minimum order quantity: 5 and multiples of 5 up to 20.
From 20, multiples of 20





24 well incubation rack

Made of **autoclavable** polypropylene.
This floating rack will incubate up to 24 microtubes in a water bath and can accommodate either 1.5 ml or 0.5 ml tubes.
Tubes are held snugly and then released when the rack is pressed down on a benchtop.
The rack is alphanumerically labelled for better sample identification.
Dimensions: 119 x 78 mm.

code	description	case quantity	case weight	case volume
M-022	incubation rack	4	0.29	0.0024



Round incubation racks

Made of **autoclavable** polypropylene, those racks are designed to hold either 8 or 20 microtubes (1.5 ml) in 10.8 mm holes.
Even when the rack is fully loaded, tubes are completely immersed while tops rest above the rack, floating in a beaker of water.
Perfect for use in benchtop incubation.
The rack is easily unloaded by lightly pressing it down against the bench until the legs touch, releasing the tubes.
Racks are 6.4 mm thick with 19 mm long legs and a central handle.

code	capacity	Ø rack	case quantity	case weight	case volume
M-024	8 tubes	66	4	0.13	0.0015
M-026	20 tubes	105	4	0.20	0.0075



IsoFreeze reversible racks with lid

Manufactured from virtually unbreakable polycarbonate and filled with a non-toxic gel, those Isofreeze temperature maintenance racks provide consistent thermal protection for PCR reagents, cells, enzymes or other temperature sensitive agents when removed from the freezer or refrigerator for extended periods of time, and provide safe storage on the event of freezer failure.
Each rack can accommodate up to 20 1.5/2.0 ml microtubes on one side, or 20 0.5 ml microtubes on the reverse side.
Racks feature a transparent lid for better sample viewing. Each well in the rack is numbered.
Available in two temperature ranges.
Model **M-570** (white) will maintain a temperature of **0 ºC** on the bench top for 5 hours.
Model **M-571** (blue) will maintain a temperature between **–10 ºC** and **–20 ºC** on the bench top up to 3 hours.
Dimensions with lid: 108 x 172 x 104.

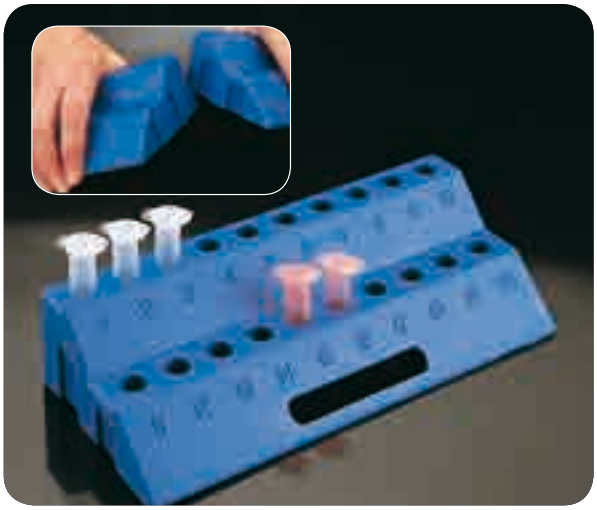
code	description	case quantity	case weight	case volume
M-570	white isofreeze rack	1	1.30	0.005
M-571	blue isofreeze rack	1	1.30	0.005

www.laboquimia.es

20 well interlocking tube racks

Made of blue **autoclavable** polypropylene.
These racks slide together on both sides to allow the user to attach several for larger experiments.
They are designed to accommodate 1.5/2.0 ml Eppendorf type tubes on two levels of 10 wells each of 10 mm Ø, with easy-to-read numbers for better tube viewing and identification.
The innovative front finger slot makes them easy to handle when working with gloves.
Dimensions: 210 x 90 x 48 mm.

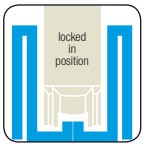
code	description	case quantity	case weight	case volume
200420	blue 20 hole rack	6	0.80	0.004

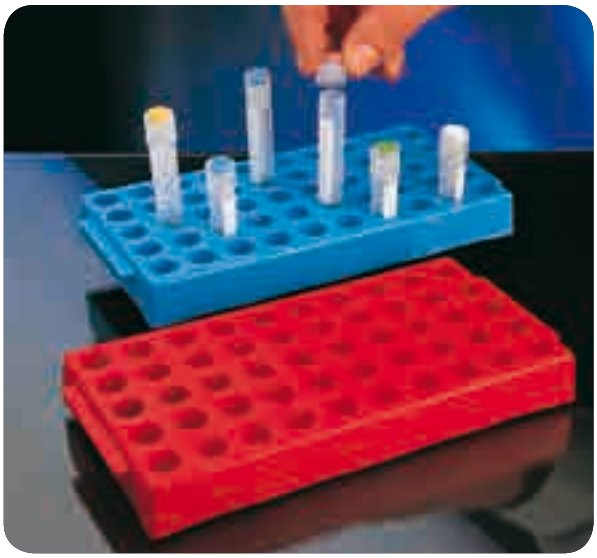


50 well microtube racks

Made of **autoclavable** polypropylene, these racks are designed for use with our tubes presented on page 144 and successive. They can hold 50 tubes in a 10 x 5 configuration.
These racks allow easy one handed opening and closing of tubes thanks to an innovative locking system which ensures that tubes will securely lock in each well and will not turn.
Each place is identified with an alphanumeric index for better sample location. Racks have strong handles for better handling and are stackable.
Dimensions: 100 x 250 x 25 mm.

code	description	case quantity	case weight	case volume
M-028.5	blue rack	4	1.00	0.004
M-028.6	red rack	4	1.00	0.004





Styrofoam racks with lid

Racks made of expandable polystyrene.
Ideal for long term storage of microtubes in the freezer.
These racks have alphanumeric graduation for a proper identification of the tubes.
They are stackable, lightweight and economical.

code	description	suitables microtubes	dimensions (mm)	case quantity	case weight	case volume
G-050	50 wells rack	1.5 – 2 ml	210 x 107 x 65	10	0.49	0.017
G-100	100 wells rack	1.5 – 2 ml	335 x 95 x 68	10	0.57	0.056

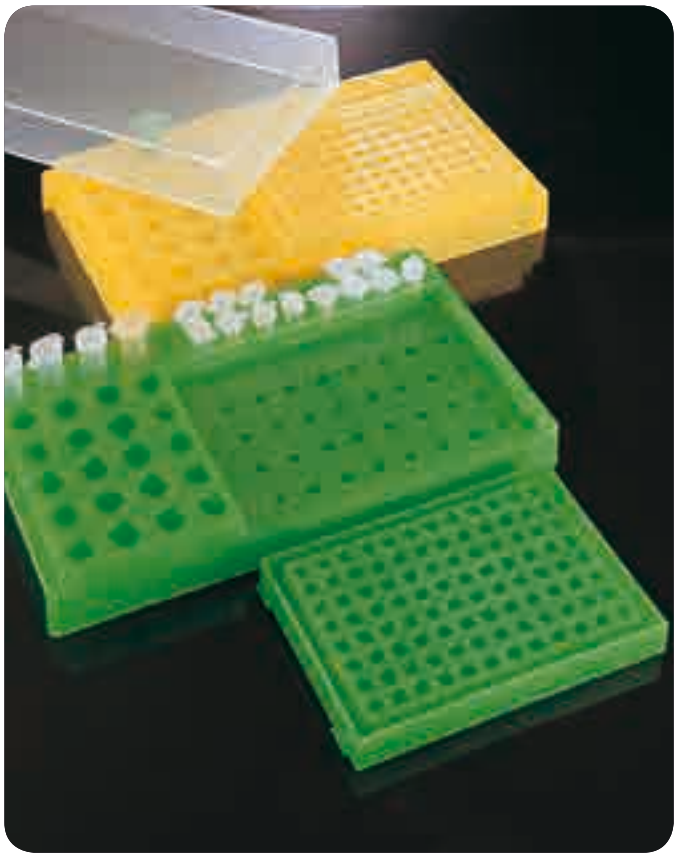


Styrofoam racks without lid

Racks made of expandable polystyrene.
Ideal for long term storage of microtubes in the freezer.
They are stackable, lightweight and economical.

code	description	suitables microtubes	dimensions (mm)	case quantity	case weight	case volume
244109	100 wells rack	10 ml	224 x 213 x 48	24	1.40	0.069
244111	100 wells rack	1.5 – 2 ml	194 x 183 x 43	48	1.90	0.094







PCR workstations

Autoclavable polypropylene. This storage/working rack , with lid, is designed to work with different PCR volumes at the same time. It can accommodate up to 32 individual 0.2 ml PCR tubes, 24 1.5/2.0 ml and 16 0.5 ml microtubes. Tube wells are alpha-numerically matrixed with raised bold type for accurate sample identification. The rack also has a transparent lid for easy viewing of samples. Frosted writing panels on four sides allow labelling or writing.The rack is supplied with a removable rack accommodating 0.2 ml PCR tubes. The removable rack can be purchased separately: see product code below.
Dimensions: main rack: 215 x 118 x 50 mm.
Removable rack: 125 x 85 x 15 mm.
Both racks withstands from **–90 ºC** to **121 ºC**.

code	description	case quantity	case weight	case volume
M-540	green rack	5	1.46	0.007
M-541	blue rack	5	1.46	0.007
M-542	yellow rack	5	1.46	0.007

Minimum unit sale: 5

96 well PCR racks

Autoclavable polypropylene.
Our 96 well plate, individual tubes or strips of 8 or 12 tubes can be used with this rack. An alphanumeric grid helps sample identification.
The included lid is transparent and has a non-slip surface to allow safe storage of multiple racks.
This rack can be used alone or inserted in the above workstation, code **M-540.**
Dimensions: 125 x 85 x 15 mm. It withstands from **–90 ºC** to **121 ºC**.

code	description	case quantity	case weight	case volume
M-550	blue rack	5	0.80	0.005
M-551	yellow rack	5	0.80	0.005
M-552	pink rack	5	0.80	0.005
M-553	green rack	5	0. 80	0.005

Stacking PCR work up rack

Autoclavable polypropylene. The stacking PCR work-up rack is a robust and convenient workstation or storage rack for plates, strips or tubes.
It withstands from **–90 ºC** to **121 ºC**. The conveniently small footprint ensures it is an equally useful tool whether it is used on the bench, in the freezer or some other laboratory situation.
The positive click ensures the lid will not become easily dislodged. Yet only a gentle squeeze on each side will allow you to lift off the clear lid. It accommodates every different type of 0,2 ml PCR plate; including fully skirted types, strips or tubes.
The imaginative shaping of the rack's feet make this system easy to use, providing a stable platform as well as enabling **stacking with or without the lid** and whether the vessels are open or sealed.
The racks are manufactured in distinctive colours and are packaged as an assortment.

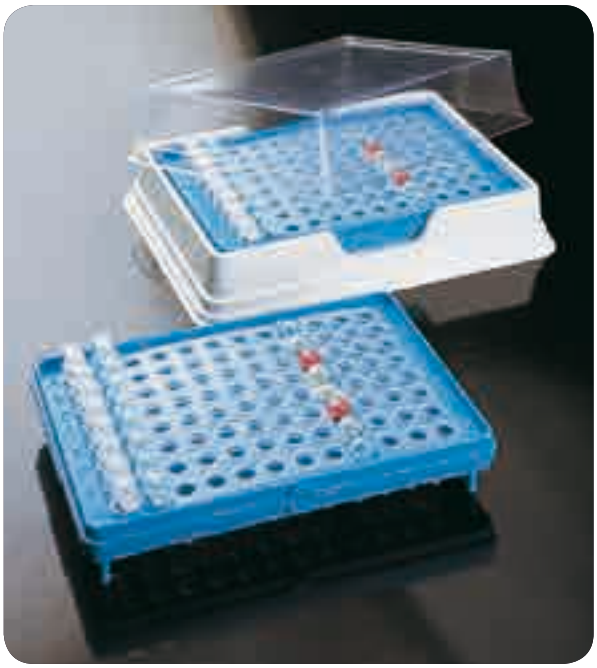


code	description	case quantity	case weight	case volume
M-554	stacking PCR rack	5	0.45	0.0035



COMBI Rack for PCR

The box is made of PVC and the rack is made of **autoclavable** polypropylene. Rack and box can be used both together and separately.
The box: can be used not only as a storage rack but also as a work station. The white base accepts both 96 and 384 well plates and a transparent cover.
It is stackable, and its low height helps to save space. Lid dimensions: 108.0 x 148.6 x 35.6 mm. Box dimensions: 108.0 x 148.6 x 24.9 mm.
The rack: can hold up to 96 PCR tubes or plates or 12 strips of 8 tubes with caps.
Each hole is identified with an alpha numeric numbering system.
It features a writing area. The grid stands on 4 legs and can be placed on a lab counter or in a refrigerator. It is stackable.
Can withstand temperatures from **–80 ºC** to **121 ºC**.
Dimensions: 84.6 x 125.5 x 28.9 mm.

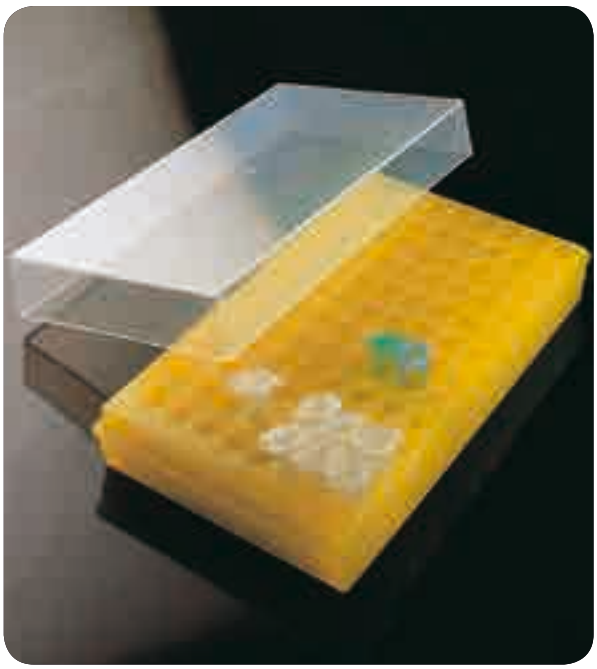


code	description	case quantity	case weight	case volume
M-640	white box with lid	5	0.20	0.0004
M-641	96 hole blue rack	5	0.20	0.0004

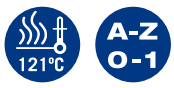


Reversible 96 well racks with lid

Made of durable **autoclavable** polypropylene. This reversible rack with a clear polypropylene lid is designed with wide spacing to store up to 96 microtubes on either side. One side accommodates 1.5/2.0 ml microtubes; the reverse side accommodates 0.5 ml microtubes. The rack is alphanumerically matrixed for better sample location and has frosted writing patches on all four sides for smear resistant labelling. Operating temperature range: **–90 ºC** to **121 ºC**.
With ergonomical lateral handles.
Dimensions: 213x114x26 mm.



code	description	case quantity	case weight	case volume
M-021AM	yellow rack	5	2.05	0.008
M-021R	pink rack	5	2.05	0.008
M-021V	green rack	5	2.05	0.008





Microtube racks

Those easy to assemble racks are made of white **autoclavable** polypropylene.
These racks have open sides that make them adaptable for use in a tray of crushed ice.
Designed for 1.5 ml 42 (6 x 7) microtubes.
Racks are supplied dismantled.
Dimensions: 128 x 105 x 43 mm.

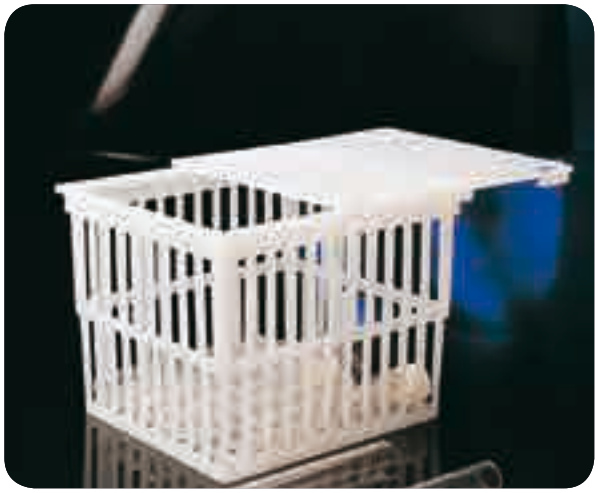
code	description	case quantity	case weight	case volume
M-110	microtube racks	8	0.97	0.007



42 well cuvette rack

Made of white **autoclavable** polypropylene, this easy to assemble rack provides gentle no-scratch support for fragile spectrophotometer cells.
Forty-two 10 mm light path cells fit in this 6 x 7 row layout (See page 81).
Also suitable for tubes.
Racks are supplied dismantled.
Dimensions: 128 x 105 x 43 mm.

code	description	case quantity	case weight	case volume
M-100	well cuvette rack	8	1.04	0.013



Test tube baskets

For rinsing, transport and storage.
Made of **autoclavable** polypropylene, these baskets with sliding lids are ideal for rinsing or carrying glassware.

code	description	case quantity	case weight	case volume
M-050	basket 152 x 152 x 152 mm	6	1.39	0.003
M-060	basket 229 x 229 x 229 mm	6	3.12	0.080



Pipette rack

Made of **autoclavable** polypropylene.
For orderly, space-saving pipette storage.
This rack holds 50 pipettes in a vertical 5 x 10 arrangement.
This system ensures that pipettes will not contact table surface.
The end plates have handles for easy carrying.
Hole diameter: 16 mm.
Dimensions: 213 x 114 x 222 mm.

code	description	case quantity	case weight	case volume
19973	pipette rack	1	0,54	0,006

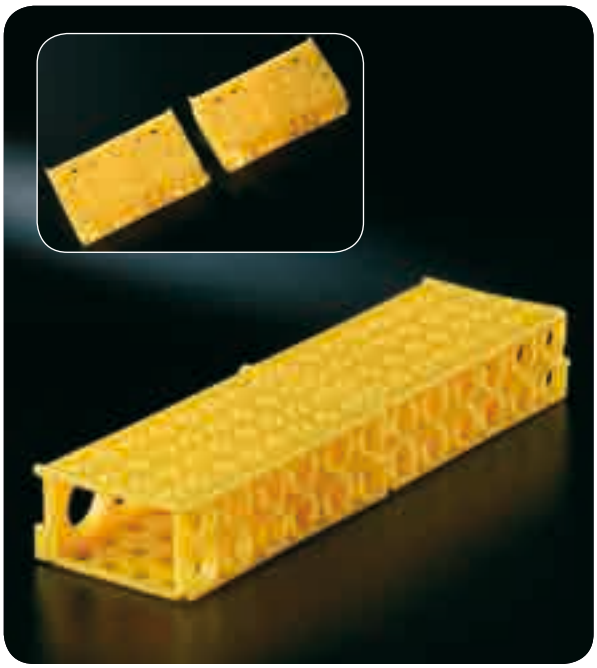
www.laboquimia.es

deltalab

Universal racks

Made of durable polypropylene, this versatile rack is specially **designed to attach to another by pressing the two sides together**. Two racks or more can then be attached to present tubes in varied configurations.
The rack can accomodate the following:
- 4 x 50 ml conical tubes
- 12 x 15 ml conical tubes
- 32 x Ø12 mm tubes or 1.5/2.0 ml microtubes
- 32 x 0.5 ml microtubes

Alpha-numeric matrix on the four sides for better sample location. Can be autoclaved and can be placed in freezers and water baths.
Dimensions: 172 x 50 x 90 mm.



code	colour	case quantity	case weight	case volume
M-520	natural	5	0.96	0.005
M-521	fluorescent blue	5	0.96	0.005
M-522	fluorescent pink	5	0.96	0.005
M-523	fluorescent yellow	5	0.96	0.005

Universal racks

Made of **autoclavable** polypropylene, it withstands from –**90 ºC** to **121 ºC**.
This tube rack system is designed to support a variety of tube sizes and styles:
- Ø 30 mm for 8 x 50 ml tubes
- Ø 20 mm for 20 tubes
- Ø 16/17 mm for 24 x 15 ml tubes
- Ø 12/13 mm for 40 tubes

Dimensions: 198 x 118 x 96 mm.



code	colour	case quantity	case weight	case volume
M-530	fluorescent blue	5	1.93	0.015

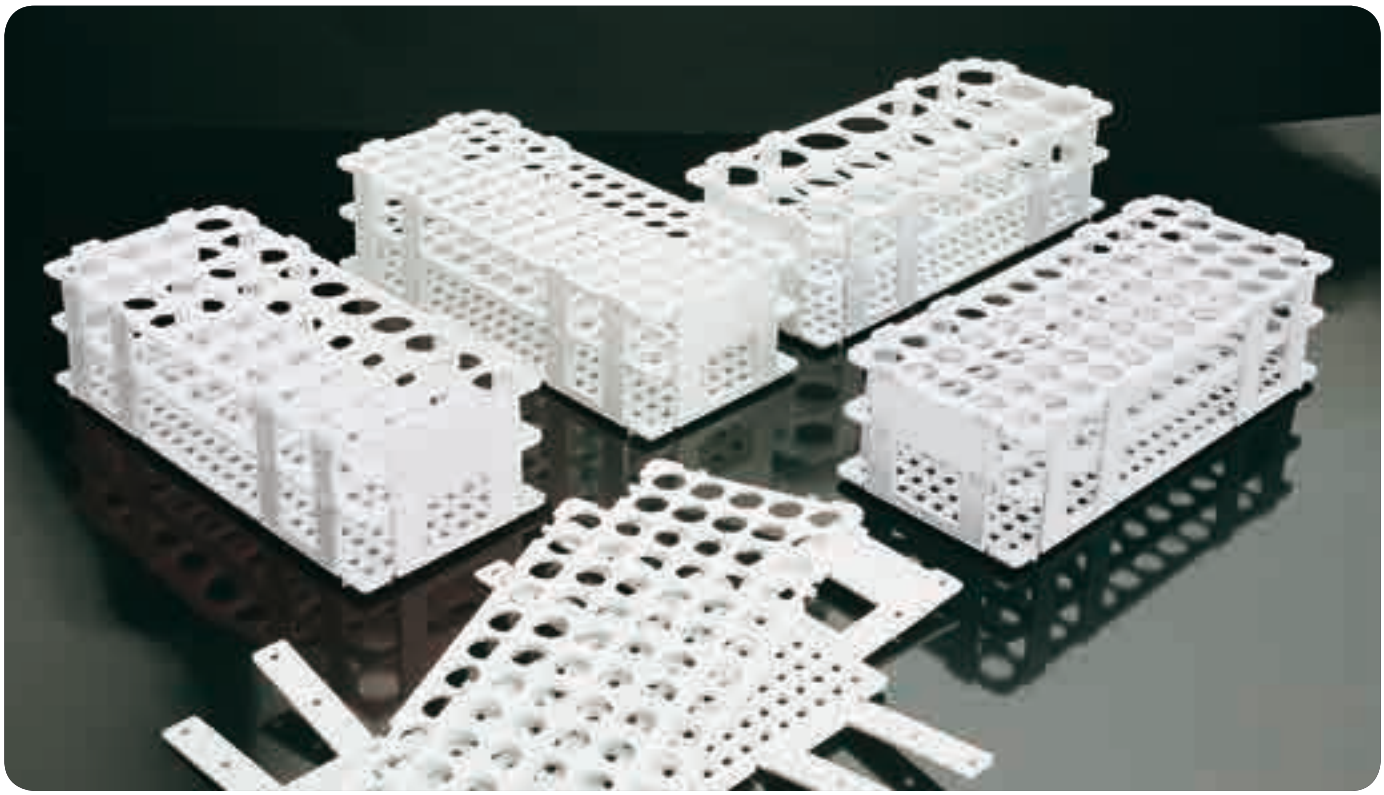
Set of mixed Combi rack

Made of **autoclavable** polypropylene.
It withstands from –**90 ºC** to **121 ºC**.
This design consists of a unit of four independent cubes packaged in a clear support tray. Each rack may be independently rotated to allow the simultaneous storage and use of multiple sizes of tubes.
Each side of the racks is alpha-numeric matrixed for better sample location.
The following tubes can be accomodated in each rack:
- 2 x 50 ml conical tubes
- 6 x 15 ml conical tubes
- 9 x 12 mm diameter tubes or 1.5/2.0 ml microtubes
- 12 x 0.5 ml microtubes

Dimensions:
Tray (handles included): 242 x 120 x 40 mm.
Rack: 48 x 92 x 92 mm.



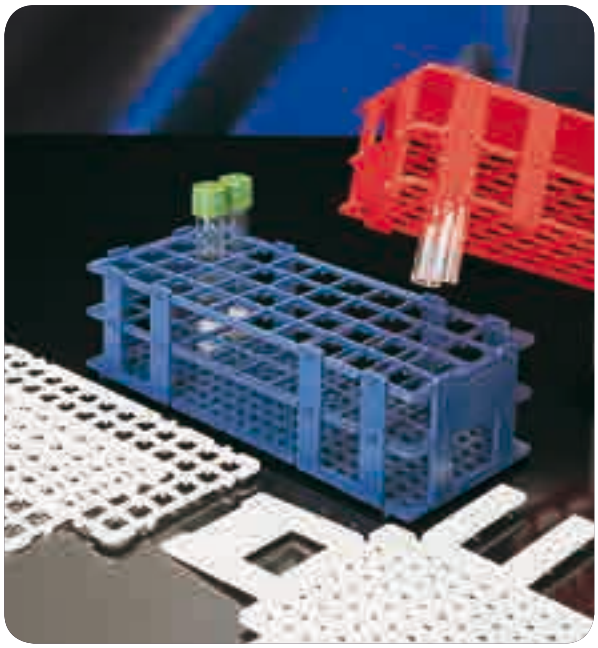
code	description	case quantity	case weight	case volume
330	combi rack	1	0.63	0.003



Universal test tube racks

Round hole test tube racks made of white **autoclavable** polypropylene.
A side panel provides a labelling option. Very easy to assemble.
Racks are supplied dismantled.
Dimensions: 240 x 103 x 65 mm.

code	max. diameter tubes	tube capacity	bag quantity	bag weight	bag volume
W-014	13	6 x 15 (90)	1	0.19	0.012
W-015	16	5 x 12 (60)	1	0.20	0.012
W-016	20	4 x 10 (40)	1	0.20	0.011
W-017	25	3 x 8 (24)	1	0.19	0.010
W-018	30	3 x 7 (21)	1	0.16	0.008



Square hole test tube racks with grip

These high quality polypropylene racks are **autoclavable**, stackable when unloaded and can be dismantled for space saving.
A unique grip feature ensures that tubes are firmly held in racks. An alphanumeric grid reference ensures an easy sample location. Dimensions: 250 x 105 x 68 mm.
Very easy to assemble.
Racks are supplied dismantled.

code	max. diameter tubes mm	colour	tube capacity	bag quantity	bag weight	bag volume
W-011	13	white	6 x 15 (90)	1	0.18	0.0012
W-011.4	13	blue	6 x 15 (90)	1	0.17	0.0009
W-012	16	white	5 x 12 (60)	1	0.18	0.0013
W-013	20	white	4 x 10 (40)	1	0.09	0.0010

www.laboquimia.es



Universal test tube racks

Made of white **autoclavable** polypropylene. Specially designed to ensure that all test tubes will be incubated at the same temperature. An alpha-numeric grid reference on top tier of the rack allows an easy sample location. Racks are easily assembled, and are stackable when unloaded. Each rack is supplied dismantled. Easy to assemble.

code	places	Ø test tube mm	dimensions mm	bag quantity	bag weight	bag volume	blue (to add at the end of the code)	yellow (to add at the end of the code)	red (to add at the end of the code)
19563	100 (4 x 25)	micro	262 x 108 x 45	5	0.70	0.007	.04	.06	.10
19564	90 (6 x 15)	13	246.5 x 104 x 60	5	0.80	0.006	.04	.06	.10
19565	60 (5 x 12)	16	246.5 x 104 x 70	5	0.89	0.006	.04	.06	.10
19566	40 (4 x 10)	20	246.5 x 104 x 70	5	0.82	0.006	.04	.06	.10
19567	40 (4 x 10)	25	296.5 x 124 x 85	5	1.00	0.007	.04	.06	.10
19568	24 (3 x 8)	30	300 x 111 x 83	5	0.88	0.009	.04	.06	.10

Assembling rack

This rack is moulded of blue **autoclavable (121ºC)** polypropylene.
Suitable for daily usage and storage.
It holds up to 21 tubes of 50 ml (30 mm diameter) each, and features end plates for labelling, as well as numbered and lettered rows for tube identification.
Interlocking feet allows stacking of racks for storage.
This rack is supplied flat, individually bagged.
Fast and easy assembling (instructions included).

code	dimensions mm	rows	case quantity	case weight	case volume
19570	246 x 104 x 64	3 x 7	8	1.50	0.020



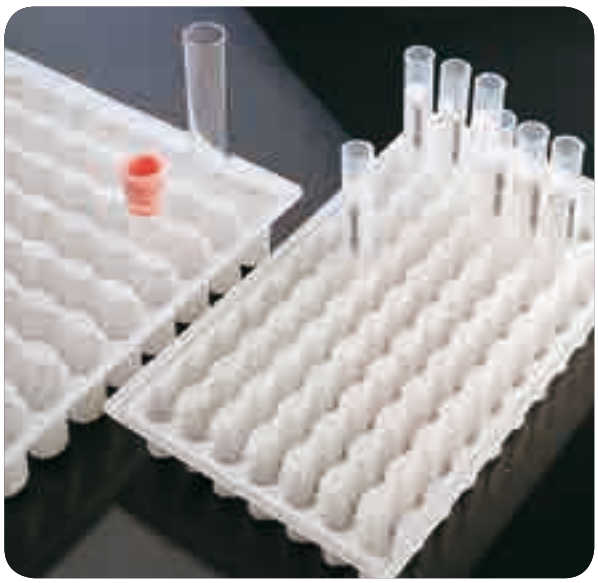


Acetal polymer racks

Made of acetal polymer. **Autoclavable up 121 ºC** for 20 minutes. Stackable.
Compact and lightweight.
They remains stable if submerged.
Color blue except model **M-562L**, which is lilac.
With handles on each side for better handling.
External dimensions for all codes: 293 mm x 115 mm x 65 mm H.
Recommended for tubes: 12 x 75, 15 x 95, 16 x 100, centrifugation tubes, urine collection tubes, etc.

code	for tubes Ø	capacity	case quantity	case weight	case volume
M-560A	up to 13 mm	(6 x 14) 84	10	3.27	0.032
M-561A	up to 16 mm	(5 x 12) 60	10	3.00	0.029





Single use racks

Low-price, flexible racks made of polystyrene.
Dimensions:
901407: 200 x 240 x 30 mm
901410: 160 x 170 x 25 mm

code	Ø hole	nº holes	case quantity	case weight	case volume
901407	16 mm Ø	10 x 12	25	1.90	0.033
901410	13 mm Ø	10 x 10	25	0.66	0.012



Combi rack height 128

Polypropylene rack.
Dimensions with lid: 133 x 133 x 128 mm.
Available in fluorescent colours with transparent lid to help identification.
Resist **–196 ºC** and autoclavable up to **121 ºC**.
Sections will hold 10 tubes up to 30 mm diameter, 2 tubes up to 16 mm Ø and 1 tube up to 11 mm Ø. All of them up to 125 mm height.

Suitable with tubes: **10100T, 300400, 300705, 300707, 300900, 300907, 300908, 301200, 301201, 301202, 301212, 301213, 301403, 301700, 400400, 400705, 400900, 401200, 401201, 401204, 401403, 401700, 409920, 429900, 429901, 429910, 429926, 429927, 429930, 429931, 713100, 716100, 716125, 720125, 901075, 913100, 916100.**

code	colour	bag quantity	bag weight	bag volume
U-50128A	blue	1	0.20	0.0035
U-50128R	red	1	0.20	0.0035
U-50128V	green	1	0.20	0.0035



www.laboquimia.es

Rack 1x1 height 45

Polypropylene rack.
Dimensions with lid: 133 x 133 x 45 mm.
Available in fluorescent colours with transparent lid to help identification. **Resists –196 ºC** and **autoclavable** up to **121 ºC.**
Only 1 cavity.
Suitable for all kind of tubes and other objects.

code	colour	quantity	weight	volume
U-1145A	blue	1	0.10	0.0012
U-1145N	natural	1	0.10	0.0012



Rack 1x1 height 70

Polypropylene rack.
Dimensions with lid: 133 x 133 x 70 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists **–196º C** and **autoclavable** up to **121 ºC**.
Only one cavity. Suitable for all kind of tubes and other objects.

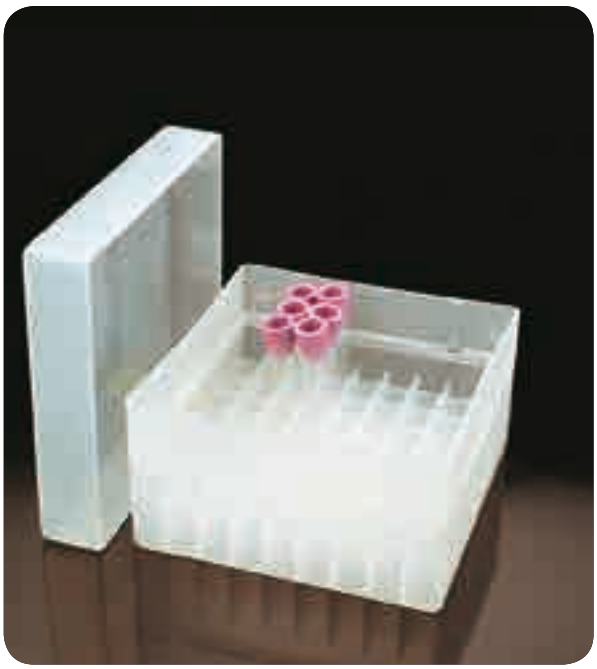
code	colour	quantity	weight	volume
U-1170A	blue	1	0.12	0.0014
U-1170N	natural	1	0.12	0.0014



Rack 9x9 height 70

Polypropylene rack.
Dimensions with lid: 133 x 133 x 70 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists –196 ºC and **autoclavable** up to **121 ºC**.
Sections will hold 81 tubes up to 12 mm diameter and 67 mm height.
Ideal for our references **300500** and **400500**, etc.

code	colour	quantity	weight	volume
U-9970A	blue	1	0.18	0.0014
U-9970N	natural	1	0.18	0.0014
U-9970R	red	1	0.18	0.0014





Rack 7x7 height 80

Polypropylene rack.
Dimensions with lid: 133 x 133 x 80 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists **–196 ºC** and **autoclavable** up to **121 ºC**.
Sections will hold 49 tubes up to 16 mm diameter and 77 mm height.

Suitable with tubes: **401100, 409003.1, 409107.1, 409108.1.**

code	colour	quantity	weight	volume
U-7780A	blue	1	0.16	0.0016
U-7780N	natural	1	0.16	0.0016
U-7780NA	orange	1	0.16	0.0016

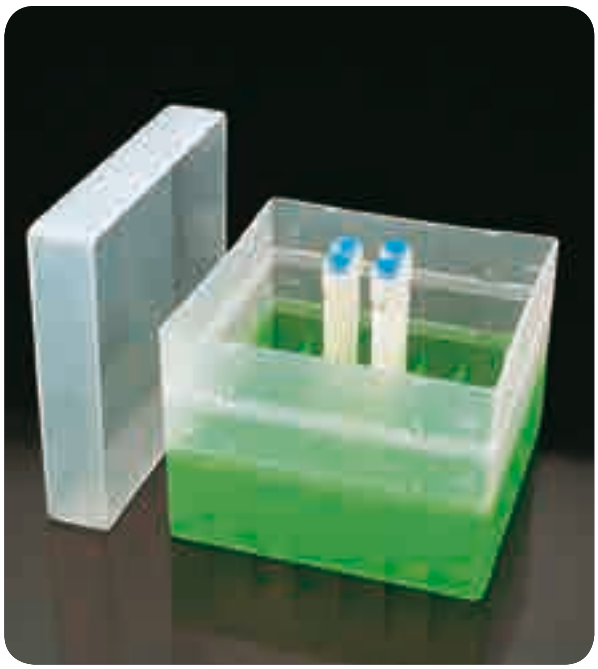


Rack 9x9 height 80

Polypropylene rack.
Dimensions with lid: 133 x 133 x 80 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists –196 ºC and **autoclavable** up to **121 ºC**.
Sections will hold 81 tubes up to 12 mm diameter and 77 mm height.

Suitable with tubes: **400500, 409003.2, 409108, 409108.1, 801175T, 901075, 409003.1, 409107, 409107.1, 801075, 801275.**

code	colour	quantity	weight	volume
U-9980A	blue	1	0.18	0.0021
U-9980N	natural	1	0.18	0.0021



Rack 7x7 height 96

Polypropylene rack.
Dimensions with lid: 133 x 133 x 96 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists –196º C and **autoclavable** up to **121 ºC**.
Sections will hold 49 tubes up to 16mm diameter and 93 mm height. Ideal for tubes 16x90-92 mm or similar tubes.

code	colour	quantity	weight	volume
U-7796A	blue	1	0.17	0.0021
U-7796V	green	1	0.17	0.0021

www.laboquimia.es

Rack 9x9 height 96

Polypropylene rack.
Dimensions with lid: 133 x 133 x 96 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists -196º C and **autoclavable** up to 121 C.
Sections will hold 81 tubes up to 12 mm diameter and 93 mm height.

Suitable with tubes: **300700, 300701, 300702, 300700.4, 300704, 300700.5, 300700.6, 300700.7, 300800, 300800.1, 300801, 300800.2, 300804, 301500, 400700, 400800, 400800.1, 409003.1, 409003.2, 409107, 409108, 409107.1, 409109, 409108.1, 409109.1, 801175T, 801275, 901275.**

code	colour	quantity	weight	volume
U-9996A	blue	1	0.20	0.0021
U-9996N	natural	1	0.20	0.0021



Rack 5x5 round hole height 105

Polypropylene rack.
Dimensions with lid: 133 x 133 x 105 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists -196º C and **autoclavable** up to **121 ºC**.
Sections will hold 25 tubes up to 17 mm diameter and 102 mm height.

Siutable with tubes: **300705, 300707, 300900, 301200, 301201, 301202, 301700, 400705, 400900, 401200, 401201, 401204, 401700, 713100, 716100, 810100T, 913100, 916100.**

code	colour	quantity	weight	volume
U-105105A	blue	1	0.18	0.0023



Rack 5x5 round hole height 128

Polypropylene rack.
Dimensions with lid: 133 x 133 x 128 mm.
Available in fluorescent colours with transparent lid to help identification.
Resists -196º C and **autoclavable** up to **121 ºC**.
Sections will hold 25 tubes up to 17 mm diameter and 125 mm height.
Alphanumeric codification visible next to the holes.
Suitable with tubes: **300705, 300707, 300900, 300904, 300907, 300908, 301200, 301201, 301202, 301212, 301213, 301403, 400705, 400900, 401200, 401201, 401204, 401403, 401700, 409920, 429910, 429940, 429942, 429945, 713100, 716100, 810100T, 913100, 916100.**

code	colour	quantity	weight	volume
U-15128A	blue	1	0.20	0.0033
U-15128AM	yellow	1	0.20	0.0033
U-15128N	natural	1	0.20	0.0033









Stainless steel racks and baskets

For over 25 years Deltalab has been producing a range of fine handmade stainless steel Racks and Baskets.
Materials of the highest quality are used to ensure final products have top finishings and are sturdy and durable.
The base of all racks and baskets are manufactured from a very strong stainless steel mesh. Handmade production enables Deltalab to manufacture **Racks and Baskets customised** to your own specifications.
Just indicate the product size you need and Deltalab will provide a product made to your own requirements.
Most racks can be manufactured with a stainless steel side identification plate upon request.
Also can be made with safety lid for transport.

www.laboquimia.es





Aluminium racks 10 x 5 holes

Stackable. Alpha-numerical index for better sample location. Supplied encased and interlocked, wrapped in a protecting film.
Code **Z-300** suitable for 12 ml screw tubes, series **301402**, and for 15 ml centrifuge tubes, series **429900** (See chapter of tubes)

code	dimensions mm	Ø hole mm	case quantity	case weight	case volume
Z-100	165 x 85 x 45	12	10	1.26	0.010
Z-250	195 x 100 x 45	15	10	1.52	0.010
Z-300	220 x 110 x 45	17	10	1.86	0.010

Stainless steel racks 10 x 5 holes

Stackable. Alpha-numerical index for better sample location. Supplied encased and interlocked, wrapped in a protecting film. Code **Z-600** suitable for 12 ml screw tubes, series **301402**, and for 15 ml centrifuge tubes, series **429900** (See chapter of tubes)

code	dimensions mm	Ø hole mm	case quantity	case weight	case volume
Z-500	165 x 85 x 50	12	10	3.04	0.010
Z-550	195 x 100 x 50	15	10	3.94	0.010
Z-600	220 x 110 x 50	17	10	4.48	0.010

Aluminium racks 5 x 5 holes

Stackable. Alpha-numerical index for better sample location. Supplied encased and interlocked, wrapped in a protecting film. Code **Z-075** suitable for 12 ml screw tubes, series **301402**, and for 15 ml centrifuge tubes, series **429900** (See chapter of tubes)

code	dimensions mm	Ø hole mm	case quantity	case weight	case volume
NEW **Z-025**	35 x 85 x 45	12	10	0.78	0.010
Z-050	100 x 100 x 45	15	10	0.86	0.010
Z-075	110 x 110 x 45	17	10	1.06	0.010

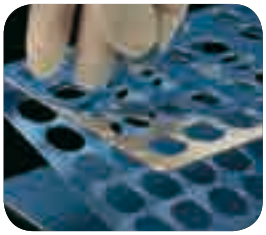
Minimum unit sale: 1

Stainless steel racks 5 x 5 holes

Stackable. Alpha-numerical index for better sample location. Supplied encased and interlocked, wrapped in a protecting film. Code **Z-800** suitable for 12 ml screw tubes, series **301402**, and for 15 ml centrifuge tubes, series **429900** (See chapter of tubes)

code	dimensions mm	Ø hole mm	case quantity	case weight	case volume
Z-700	85 x 85 x 50	12	10	1.90	0.010
Z-800	110 x 110 x 50	17	10	2.45	0.010

Minimum unit sale: 1







Stainless steel racks

For tubes of 12 mm Ø, hole 13 mm Ø.

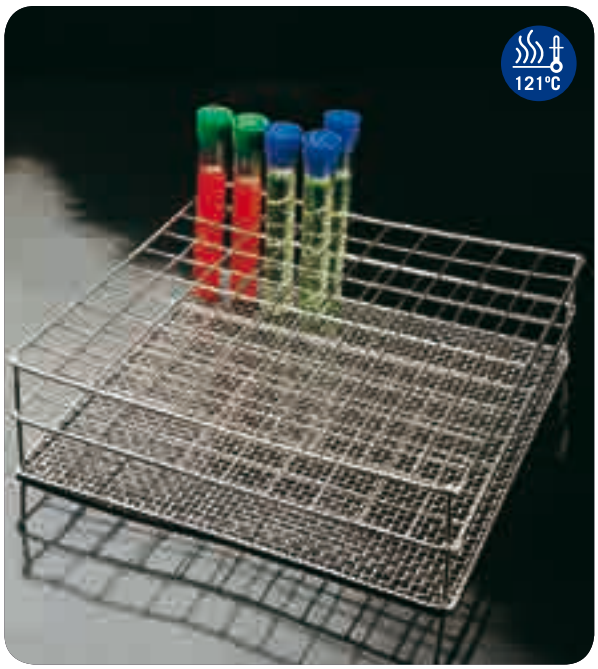
code	lenght x width x height mm	tubes capacity	quantity	weight	volume
F-200	155 x 155 x 35	100 (10 x 10)	1	0.22	0.0015
F-210	155 x 80 x 35	50 (10 x 5)	1	0.13	0.0006
F-240	91.5 x 63 x 35	24 (6 x 4)	1	0.07	0.0004
F-211	150 x 80 x 70	50 (10 x 5)	1	0.14	0.0016



Stainless steel racks

For tubes of 14 mm Ø, hole 15 mm Ø.

code	lenght x width x height mm	tubes capacity	quantity	weight	volume
B-200	175 x 175 x 60	100 (10 x 10)	1	0.24	0.0028
B-210	175 x 85 x 60	50 (10 x 5)	1	0.15	0.0012
B-220	347 x 87 x 60	100 (20 x 5)	1	0.20	0.0025
B-240	110 x 75 x 60	24 (6 x 4)	1	0.10	0.0010



Stainless steel racks

For tubes of 18 mm Ø, hole 19 mm Ø.
Codes **A-202**, **A-212**, **A-222** and **A-242** are suitable for 12 ml screw tubes, series **301402**, and for 15 ml centrifuge tubes, series **429900** (See chapter of tubes)

code	lenght x width x height mm	tubes capacity	quantity	weight	volume
A-201	210 x 210 x 40	100 (10 x 10)	1	0.33	0.0028
A-211	210 x 110 x 40	50 (10 x 5)	1	0.18	0.0012
A-231	169 x 128 x 40	48 (8 x 6)	1	0.20	0.0008
A-241	125 x 85 x 40	24 (6 x 4)	1	0.09	0.0006
A-251	87 x 65 x 40	12 (4 x 3)	1	0.07	0.0004
A-200	210 x 210 x 60	100 (10 x 10)	1	0.32	0.0043
A-210	210 x 110 x 60	50 (10 x 5)	1	0.19	0.0021
A-230	165 x 125 x 60	48 (8 x 6)	1	0.17	0.0012
A-240	125 x 85 x 60	24 (6 x 4)	1	0.11	0.0001
A-250	87 x 65 x 60	12 (4 x 3)	1	0.07	0.0007
A-260	310 x 210 x 59	150 (15 x 10)	1	0.20	0.0025
A-202	210 x 210 x 85	100 (10 x 10)	1	0.34	0.0062
A-212	210 x 110 x 85	50 (10 x 5)	1	0.21	0.0034
A-222	415 x 110 x 85	100 (20 x 5)	1	0.39	0.0065
A-242	125 x 85 x 85	24 (6 x 4)	1	0.11	0.0014

www.laboquimia.es

Racks for containers up to 23 mm Ø

Made of stainless steel. 25 mm square holes.
Features a strong woven mesh base.

code	lenght x width x height mm	tubes capacity	quantity	weight	volume
D-200	265 x 265 x 85	100 (10 x 10)	1	0.50	0.0078
D-230	219 x 166 x 85	48 (8 x 6)	1	0.26	0.0042
D-240	165 x 110 x 85	24 (6 x 4)	1	0.16	0.0020
D-250	111 x 84 x 85	12 (4 x 3)	1	0.10	0.0013

121°C

Suitable for glass tubes shown on pages 133-134



Racks for containers up to 28 mm Ø

Made of stainless steel. 30 mm square holes.
Features a strong woven mesh base.

code	lenght x width x height mm	tubes capacity	quantity	weight	volume
C-211	315 x 160 x 60	50 (10 x 5)	1	0.30	0.0039
C-256	200 x 70 x 60	12 (6 x 2)	1	0.13	0.0012

121°C

Suitable for containers shown on pages 148-149



Racks for containers up to 28 mm Ø

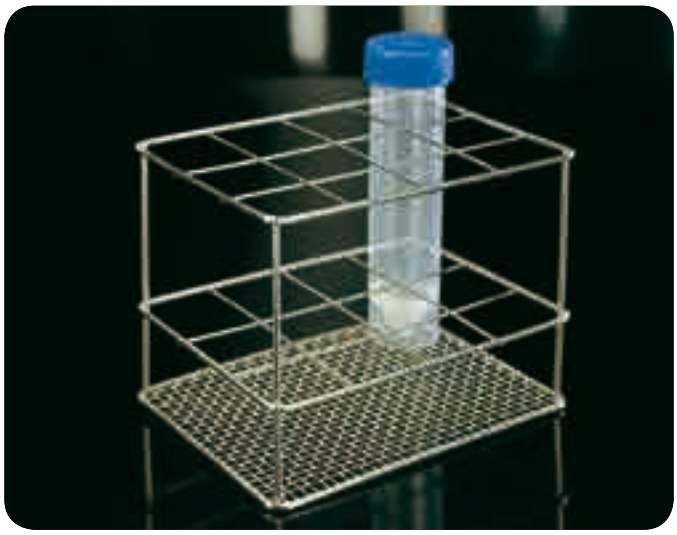
Made of stainless steel. 30 mm square holes.
Features a strong woven mesh base.

code	lenght x width x height mm	tubes capacity	quantity	weight	volume
C-200	315 x 315 x 40	100 (10 x 10)	1	0.53	0.0052
C-254	195 x 65 x 40	12 (6 x 2)	1	0.12	0.0008

121°C

Suitable for containers shown on pages 148-149







Racks for containers up to 30 mm Ø

Made of stainless steel. 33 mm square holes. Features a strong woven mesh base.

code	lenght x width x height mm	containers capacity	quantity	weight	volume
R-292	137 x 104 x 85	12 (3 x 4)	1	0.12	0.0017
R-293	171 x 171 x 85	25 (5 x 5)	1	0.22	0.0035
R-281	138 x 70 x 92	8 (4 x 2)	1	0.11	0.0017
R-282	138 x 138 x 92	16 (4 x 4)	1	0.15	0.0020
R-283	206 x 206 x 89	36 (6 x 6)	1	0.60	0.0050

Suitable for containers shown on pages 35 and 37

50 ml conical tubes made of transparent polypropylene. Suitable for centrifugation. Sterile and non steril version skirted and not skirted.



You can find our 50 ml centrifuge tubes at chapters 1 and 6.

Racks for containers up to 38 mm Ø

Stainless steel. 40 mm square holes. With a strong woven mesh base.

code	lenght x width x height mm	containers capacity	quantity	weight	volume
L-250	170,5 x 129 x 45	12 (4 x 3)	1	0.14	0.0013
L-240	255 x 170 x 43	24 (6 x 4)	1	0.25	0.0023

121ºC

Suitable for containers shown on pages 150 and 151



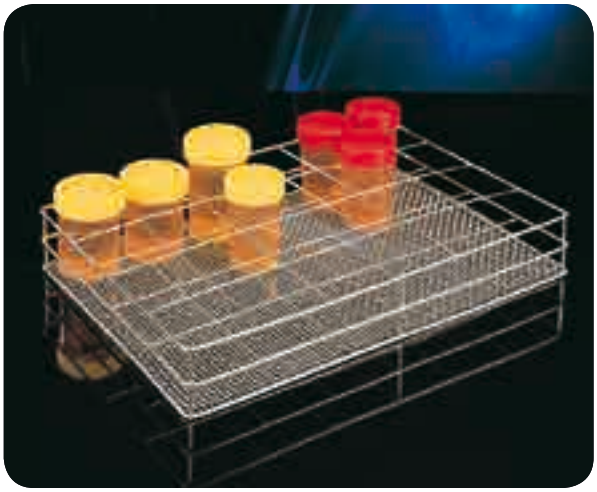
Racks for containers up to 47 mm Ø

Stainless steel. 50 mm square holes. With a strong woven mesh base.

code	lenght x width x height mm	containers capacity	quantity	weight	volume
I-240	315 x 210 x 45	24 (6 x 4)	1	0.35	0.0042
I-250	210 x 160 x 45	12 (4 x 3)	1	0.25	0.0022

121ºC

Suitable for containers shown on pages 152 and 153



Racks for containers up to 58 mm Ø

Stainless steel. 63 mm square holes.

code	lenght x width x height mm	containers capacity	quantity	weight	volume
N-240	393 x 262 x 45	24 (6 x 4)	1	0.46	0.0056
N-250	393 x 132 x 45	12 (6 x 2)	1	0.37	0.0029

Suitable for containers shown on pages 154, 155, 156 and 158



Racks for containers up to 58 ml Ø, with lid

Made of stainless steel with a lid. Hole of 63 mm.
Ideal for carrying containers, as they stand firmly in the rack thanks to the lid.

code	lenght x width x height mm	containers capacity	quantity	weight	volume
NT-250	391,5 x 133,5 x 85	12 (6 x 2)	1	0.45	0.0050

121ºC

Suitable for containers shown on pages 154, 155, 156 and 158





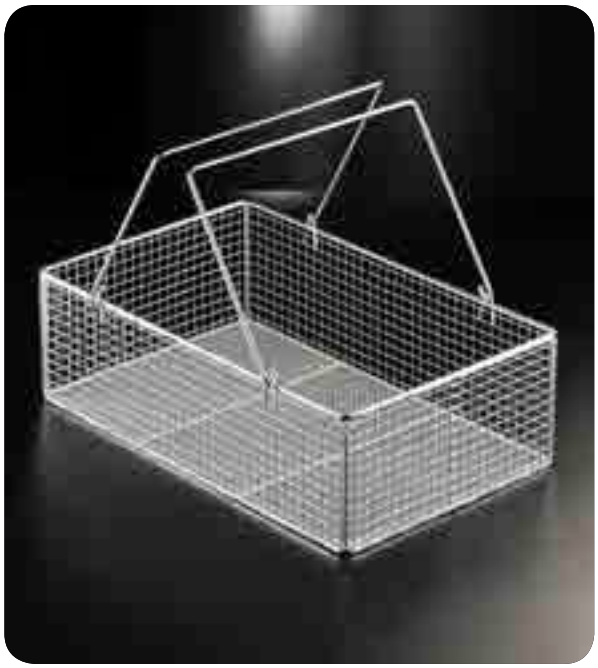
Bottle carrier with folding handlers

Manufactured in stainless steel and designed for the transport of six 1 liter bottles such as chemical reagent bottles.

code	lenght x width x height mm	quantity	weight	volume
19700	380 x 240 x130	1	1.34	0.018

121ºC

See our range of bottles and containers in chapter 12. **Laboratory and industrial packaging**



Baskets with folding handles

Made of stainless steel. Features a strong woven mesh base.
For bottles and containers.

code	lenght x width x height mm	quantity	weight	volume
With dividers every 12 cm. 4 departments				
H-261	480 x 300 x 150	1	1.84	0.022
Without dividers				
H-260	480 x 300 x 150	1	1.18	0.020

121ºC



Instrument trays

Made of stainless steel thick woven mesh. Reinforced construction to withstand weight.
With not folding handles.

code	lenght x width x height mm	quantity	weight	volume
T-200	370 x 240 x 80	1	1.06	0.016
T-210	360 x 260 x 80	1	1.12	0.020

121ºC

Baskets for autoclave

Stackable baskets made of stainless steel.

code	lenght x width x height mm	quantity	weight	volume
H-290	470 x 300 x 200	1	1.40	0.028
H-295	570 x 300 x 200	1	1.66	0.039



Square baskets with optional lid

Made of stainless steel. Feature a strong woven mesh base. Baskets have a folding handle for more convenience and are available with or without lid. To order baskets with lids, simply add **T** to the end of product code (ex: **H-200T** to order the first model with a lid). Minimum order quantity: 5 units. Other models with internal divisions are available on request. Please ask our commercial department for more details.

code	lenght x width x height mm	quantity	weight	volume
H-200	120 x 120 x 145	1	0.26	0.004
H-210	160 x 160 x 140	1	0.40	0.005
H-215	140 x 140 x 140	1	0.50	0.003
H-220	210 x 210 x 180	1	0.65	0.008
H-240	300 x 300 x 200	1	1.00	0.020



Round baskets with handle

Made of stainless steel, the base of these baskets is reinforced by a thick stainless steel mesh for added strength. Baskets feature a folding handle for more convenience. Other models with inner crossed dividers are available on request. Please ask our commercial department for more details.

code	height mm	diameter mm	quantity	weight	volume
R-200	125	150	1	0.22	0.003
R-215	150	200	1	0.35	0.006
R-220	200	200	1	0.52	0.008
NEW **R-230**	180	210	1	0.47	0.008
R-240	180	230	1	0.56	0.010
R-250	180	240	1	0.53	0.010





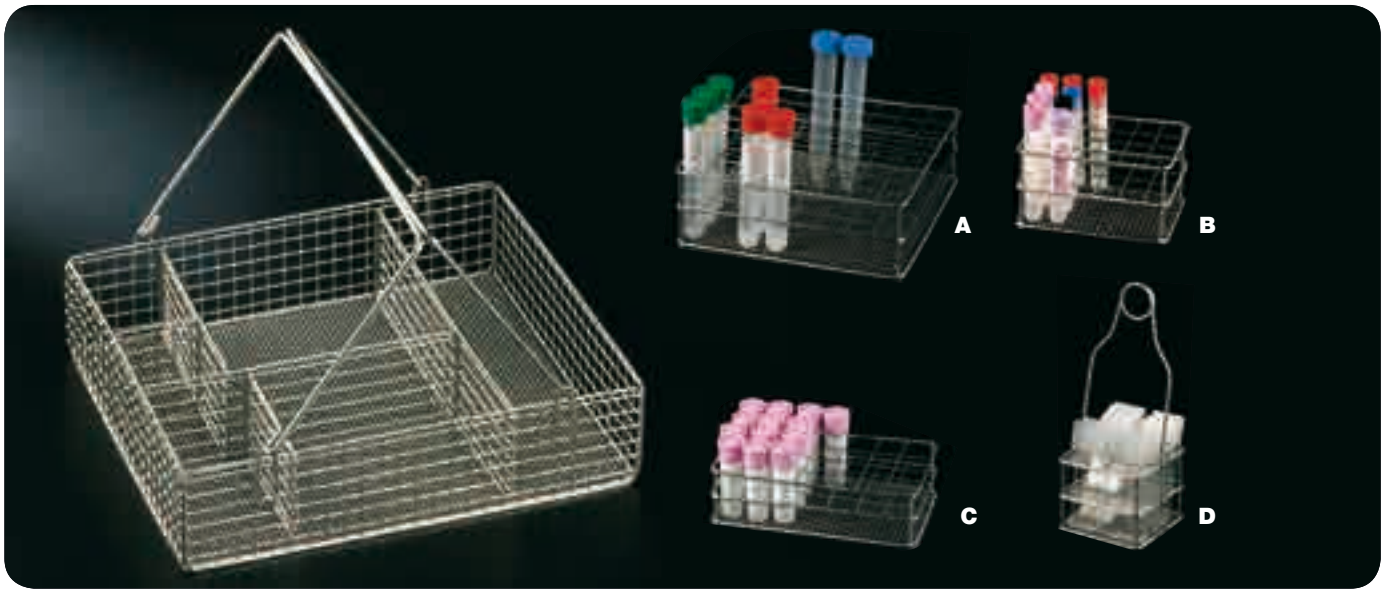
Stainless steel basket for blood collection

Manufactured in stainless steel. Ideal to collect blood samples at hospital chambers, and carry them to and inside the laboratory.
The basket includes:
Picture A: A-295, rack for 64, 10 ml tubes (95 x 15 mm).
Picture B: B-240, rack for 24, 5 ml tubes (75 x 12 mm).
Picture C: A-261, rack for 28, 5 ml tubes (50 x 15 mm flat bottom).
Picture D: CP-24, small-sized basket for 24 slides vertically placed.

code	description	lenght x width x height mm	quantity	weight	volume
H-401	basket with racks	340 x 290 x 85	1	1.40	0.008

121°C

Code H-401 is compound of:



Racks are supplied with no tubes nor slides.



Plastic tray for blood collection tubes

Made of sturdy autoclavable polypropylene. Colour: white Ideal to carry material from lab to patient. Designed for flexibility and versatility, this tray can be arranged to meet your specific needs. It includes two 40-place test tube supports (for tubes up to Ø 16 mm) and one 18-place slide holder (for 76 x 26 mm slides), a large requisition section, and adjustable partitions to hold varied materials. The handle is formed by an end mounted, detachable loop that is 178 mm high.

code	dimensions mm	quantity	weight	volume
M-300	356 x 292 x 51	1	1.38	0.030

121°C

Racks for bags

Made of stainless steel, specially designed for Stomacher type homogeneizer bags. Dimensions 390 x 200 x 240 mm.
See bags on chapter 15.

code	description	quantity	weight	volume
15006	rack for 14 bags	1	1.77	0.039
15007	clips to adjust bags	50	0.77	0.004

Customer-designed models can be produced.
Please ask the commercial department.

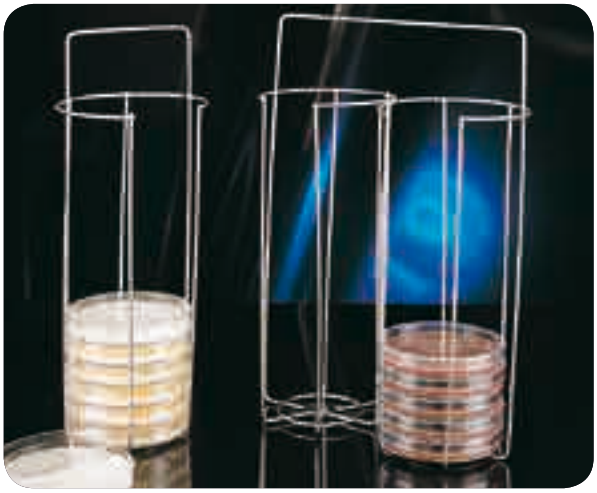


Petri dish baskets

These stainless steel baskets are suitable for dishes of diameter up to 10 cm.
Two models available to hold 10 or 20 Petri dishes

code	description	dimensions* mm (height without handle)	height handle mm	case quantity	case weight	case volume
H-600	1 section, holds up to 10 dishes	105 x 110 x 250	105	1	0.16	0.005
H-601	2 sections, holds up to 20 dishes	105 x 215 x 250	100	1	0.31	0.010

*Lenght x width x height.
Heigh with handle: 360 mm.
We can supply customer-designed models.



Special baskets and trays for slides

Baskets are manufactured from stainless steel wire.
Model **CP-30** has folding handles.

code	description	dimensions mm	case quantity	case weight	case volume
CP-30 H	basket for 30 horizontal slides	172 x 86	1	0.12	0.001
CP-45 H	basket for 45 horizontal slides	235 x 85	1	0.17	0.002
CP-30	basket for 30 vertical slides	70 x 90	1	0.20	0.003

See more staining systems in chapter 4.
Histology, microscopy and staining



Stainings racks for microscope slides

Made of stainless steel.

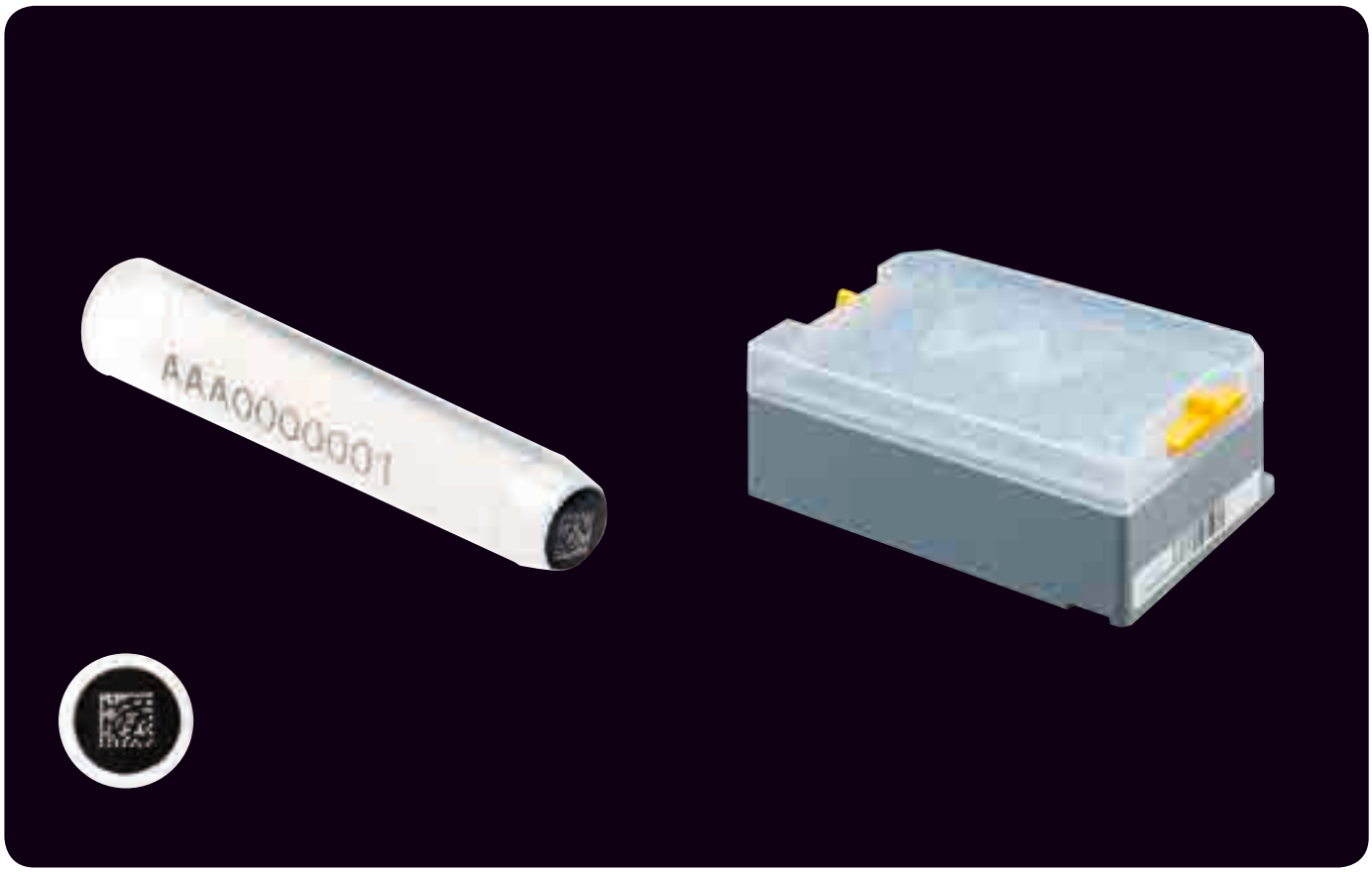
code	description	quantity	weight	volume
S-004	for 12 slides lenght: 435 width: 85	1	0.25	0.003
S-002	for 24 slides lenght: 435 width: 175	1	0.36	0.003
S-003	without divisions lenght: 435 width: 85	1	0.21	0.003





www.laboquimia.es





Solutions for cryopreservation

Wilmut offers a **wide range of biological simple storage tubes** that fit in the 96-well plate SBS standard format, and single tubes which are compatible with any freezing box format.

With volumes in between 0.5 ml and 1.2 ml and different options of codification that allows Wilmut system **adapt to the needs of any laboratory or biobank**. They are products designed and oriented exclusively to the user.

Main features:

- Tubes and racks for microbiological sample storage
- It is the tube with more capacity in the minimum space: maximum optimization of the freezers (from 15 % to 75 % of space saving)
- Maximum traceability: 2D datamatrix code, legible code at the tube, and bar code in the rack
- Traceability files available at www.wilmut.es or using software management
- Big quantity of accessories: caps, lockers, piskers, cappers, decappers, labels, scanners, etc.

WILMUT tubes:
Made with high quality polypropylene, with volume indicator in the tube, **autoclavables at 121 ºC** and allows storage up to **–86 ºC.**

WILMUT Cryoboxes:
Polypropylene Cryoboxes with standard SBS 96-well format with security closers easy to open even when are frozen.

Accessoires WILMUT:
Wilmut a une grande gamme d'accessoires pour compléter la gamme de tubes codifiés et non codifiés.

www.laboquimia.es

Wilmut Seroteca (W-SER)

Low adherence PP, low cytotoxicity and extractable levels, and **DNAse, RNAse, human DNA and Endotoxines/Pyrogens free.**

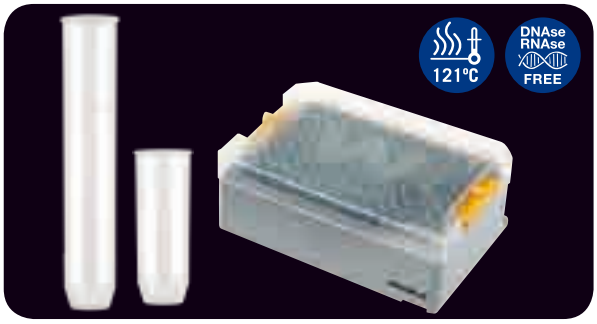
code	gross volume ml	net volume ml	presen-tation	min. order quantity	case quantity	case weight	case volume
W051100	0.65	0.5	bag	960 u	40 x 960	12.90	0.096
W121100	1.4	1	bag	960 u	20 x 960	7.14	0.096
W051960	0.65	0.5	rack	20 x 96*	6 x 20 x 96	11.18	0.056
W121960	1.4	1	rack	12 x 96*	6 x 12 x 96	12.79	0.071

* 20 racks to 96 tips and 12 racks to 96 tips.

Wilmut Eco (W-ECO)

code	gross volume ml	net volume ml	presen-tation	min. order quantity	case quantity	case weight	case volume
W058100	0.65	0.5	bag	960 u	40 x 960	12.50	0.096
W128100	1.4	1	bag	20 x 96*	40 x 960	11.90	0.096
W128960	1.4	1	rack	10 x 96*	10 x 96	1.62	0.006

* 20 racks to 96 tips and 10 racks to 96 tips.





W-RACK 96 Cryoboxes (empty)

Made with high quality PP, resistant up to **–86 ºC** and autoclavable at **121 ºC.**

code	description	case quanity	case weight	case volume
W000050	cryobox for 0.65 ml tube	18	1.14	0.0069
W000120	cryobox for 1.2 ml tube	10	1.14	0.0069
W000059CL	coded cryobox for 0.65 ml tube	18	1.14	0.0069
W000129CL	coded cryobox for 1.2 ml tube	10	1.16	0.0069

The coded codes are supplied with cryolabel compatible with liquid handling robots.



Plug Style caps W-SEAL*

Made with high quality TPE that assures a perfect adjustment with the tube and an hermetic sealing at temp. up to **–86 ºC**.
Available in differnet colors for visual sample identification.

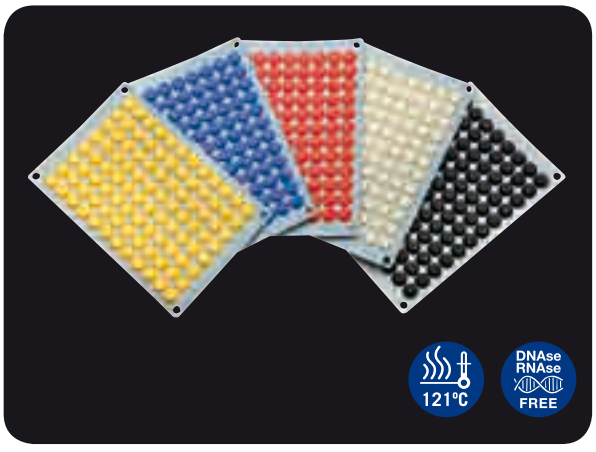
code	presentation	colour	min. order quantity	case quantity	case weight	case volume
W999600*	sheet 10x96	natural	10 x 96	35 x 10 x 96	6.08	0.026
W999601*	sheet 10x96	blue	10 x 96	35 x 10 x 96	6.08	0.026
W999602*	sheet 10x96	black	10 x 96	35 x 10 x 96	6.08	0.026
W999603*	sheet 10x96	red	10 x 96	35 x 10 x 96	6.08	0.026
W999604*	sheet 10x96	yellow	10 x 96	35 x 10 x 96	6.08	0.026
W990000	bag 960 u	natural	960	70 x 960	9.21	0.026
W990001	bag 960 u	blue	960	70 x 960	9.21	0.026
W990002	bag 960 u	black	960	70 x 960	9.21	0.026
W990003	bag 960 u	red	960	70 x 960	9.21	0.026
W990004	bag 960 u	yellow	960	70 x 960	9.21	0.026

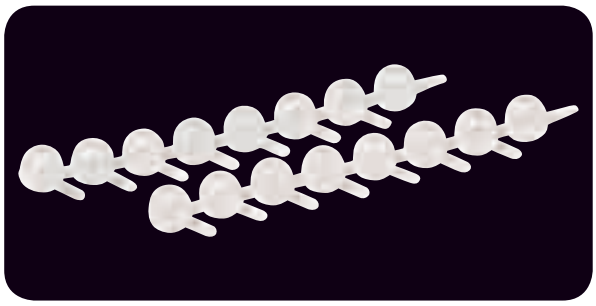
*Codes not available for sale in the Netherlands, UK, Japan and USA

PET 8 strip caps polyethylene

High quality polyethylene 8 strip caps.

code	presentation	case quantity	case weight	case volume
409005	bag 120 u	5 x 120	0.80	0.008



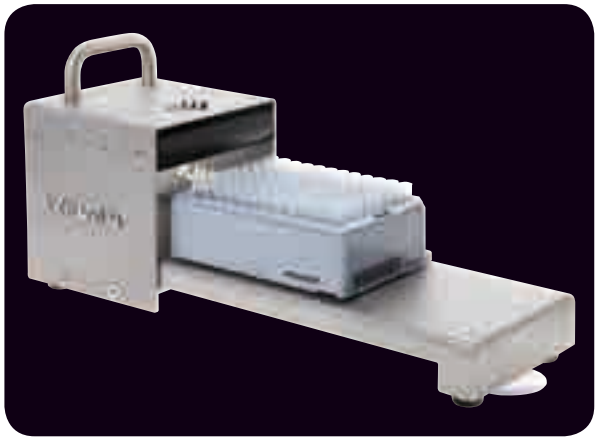




Pickers W-PICKER

Tools designed for easily pick tubes from W-rack, one at at time or in strips of 8.
Compatible with the whole range of Wilmut tubes, capped or non capped.

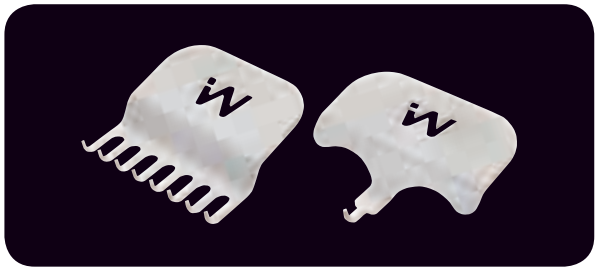
code	tubes capacity	presentation	case quantity	case weight	case volume
W000040	1	1	1	0.02	0.0001



Hand operated capper W-CAPP10

Enables to capp up to 96 tubes at a time in SBS format.
Compatible with the whole range of Wilmut tubes, 1,4 ml and 0,65 ml with an adapter.
Made of top quality materials.

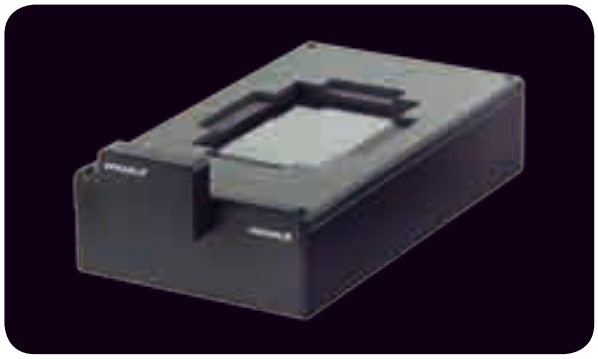
code	description	case quantity	case weight	case volume
W000010	capper	1	3.30	0.014



Deccapers W-DECAP

Made of aluminum alloy.
Autoclavables and resistant to UV decontamination. Enable to easily remove caps from the tubes, one at a time or in rows of 8 caps.

code	description	case quantity	case weight	case volume
W000011	decapper for 1 tube	5	0.15	0.0001
W000018	decapper for a row of 8 tubes	5	0.20	0.0002



2D Bed Scanner W-DATAPAQ 96

Allows to scann 96 tubes rack in just 10 seconds.
Integrates fully into robotic platforms.
Surface treated specially for avoiding errors while reading freezed tubes.

code	description	case quantity	case weight	case volume
W009680	bed scanner for 96 tubes	1	3.27	0.033



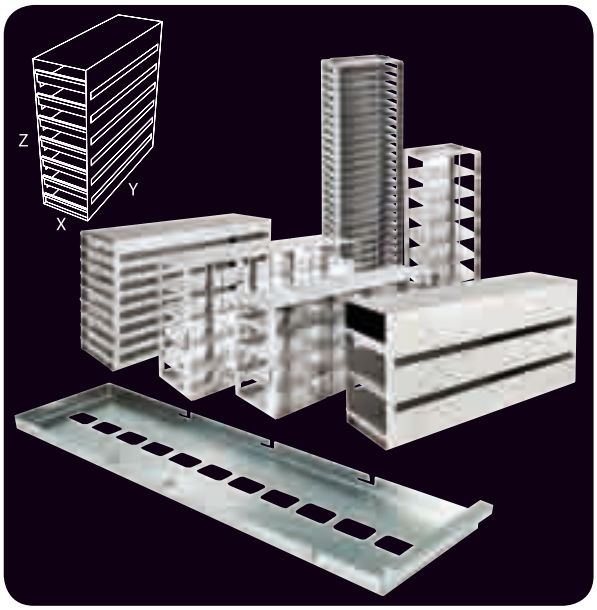
2D and 1D manual code reader W-READER

Scan of tubes, boxes,or cryoracks one by one.
They are supplied with a support that allows their use in an automatic way.
Allows the reading of codes on shiny surfaces.

code	description	case quantity	case weight	case volume
W001400	USB code reader	1	0.76	0.003

Metalic cryoracks for sample storage

Space optimization and organization of biological samples.
Made with high quality materials compatible and adaptable to any storage format: boxes, racks, tubes, moulds, etc., and all types of cryostorage equipment: refrigerators, freezers,deep freezers, nitrogen tanks, walk in cool rooms, etc.
We produce all sort of metalic racks: vertical, horizontal, cell system racks, tray racks, etc., including also customized solutions to adapt to the customer needs.



Horizontal metal racks

Horizontal racks in hi-performance stainless steel type AISI 304.
With FB system of no-slip trays for easy storage and search of samples.
Maximum size of the boxes to storage: 55mm height and 136 mm width

code	number of trays	measures (Z x Y x X) mm	type A boxes capacity (90x130)	type B boxes capacity (135x135)	type C boxes capacity (135x270)	weight	volume
FB534S	4	234 x 427 x 140	16	12	4	3.50	0.050
FB544S	4	234 x 565 x 140	24	16	8	3.90	0.050
FB545S	5	290 x 565 x 140	30	20	10	4.80	0.050

Handmade production enables Deltalab to manufacture **racks customised to your own specifications**. For more information contact our sales dept.

Cryogenic storage boxes



W-Coat

Vegetal fiber storage boxes for biological samples to temp down to **–196 ºC** (phase vapour). Made with a spetial moisture repelent coating to ensure greater durability.
They are supplied assembled and include divider.
Size: 133 x 133 mm.

code	colour	height mm	dividers	cells Ø mm	case quantity	case weight	case volume
With divisors							
W350900	white	50	9x9	13	36	3.50	0.034
W370900	white	75	9x9	13	36	3.50	0.034
W310900	white	100	9x9	13	36	3.50	0.034
Without divisors							
W350990	white	50	no	-	36	2.80	0.034
W370990	white	75	no	-	36	2.80	0.034
W310990	white	100	no	-	36	2.80	0.034

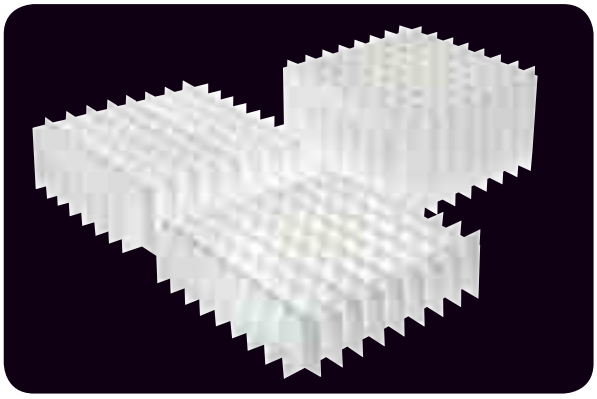
Available in diferent box colours and diferent dividers for all sort of tubes. Contact our commercial department.



W-Coat AIY fast-erecting (Without dividers)

Assemble it yourself vegetal fiber storage boxes for biological samples to temp down to **–80 ºC.**
Made with a spetial moisture repelent coating to ensure greater durability.

code	case size mm	colour	case quantity	case weight	case volume
W351100	255x310x235	white	100	4.63	0.019



Dividers to W-Coat and W-Coat AIY

Size: 133 x 133 mm. White colour.

code	dividers	cells Ø mm	height mm	case quantity	case weight	case volume
W031230	12 X 12	10	30	36	1,80	0,0070
W031030	10 X 10	12	30	36	1,80	0,0070
W030930	9 X 9	13	30	36	0,81	0,0050
W030940	9 X 9	13	40	36	0,81	0,0050
W030965	9 X 9	13	65	36	1,80	0,0070
W030830	8 X 8	15	30	36	0,81	0,0050

For other measures, contact our commercial department









Variable speed VORTEX

Variable speed agitator with continuous or by pressure modes. Incorporates speed analogical control from 0 to 2,500 rpm. It has 4 rubber legs with sucker to avoid the displacement of the vortex during the functioning, and also it reduces the vibrations.

Model:	**Vortex**
Speed:	0 - 2.500 rpm
Orbit:	4 mm
Operation:	Continuous / Pressure
Dimensions:	127 x 130 x 160 mm
Equipment weight	3,5 Kg

code	description	case quantity	case weight	case volume
LC1000	Variable speed vortex	1	2.40	0.010

Variable angle digital rotator CONVERT

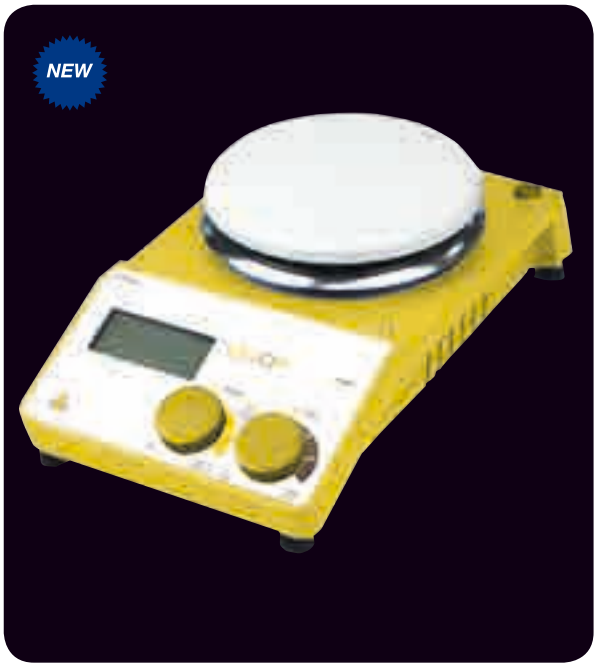
Variable angle digital rotator. There are available some easily interchangeable platforms for tubes from 1,5 ml to 50 ml. It allows a variable rotation angle adjustment from 0 and 90 grades.
It incorporates a LCD display with a timer between 1 minute and 20 hours, and a speed controller from 10 to 70 rpm.

Model:	**Convert**
Speed	10 - 70 rpm
Rotation angle	0º - 90º
Timer	1 min. - 20 hours
Screen	LCD
Dimensions	510 x 190 x 260 mm
Equipment weight	4,5 Kg

code	description	case quantity	case weight	case volume
LC2000	Variable angle digital rotator	1	5.30	0.040

Digital magnetic hotplate stirrer MAREA

The digital magnetic hotplate stirrer incorporates a high performance engine with low consumption.
The hotplate is made of ceramics with a high resistance to temperatures up to 340ºC.
By means of the LCD display there are controlled the timer and the temperature.
It is provided with an external probe PT1000 for a precise temperature control.



Model	**Marea**
Plate dimension	135 mm
Agitation capacity	20 l
Speed	100 - 1.500 rpm
Temperature	TA a 340ºC
RS232	Sí
Dimensions	160 x 280 x 85 mm
Equipment weight	2.8 Kg

code	description	case quantity	case weight	case volume
LC5000	Digital magnetic hotplate stirrer	1	3.20	0.012

Orbital digital shaker MOTION

The orbital digital shaker incorporates a wide range of accessories and interchangeable platforms for any kind of laboratory container.
With digital speed and agitation time control by means of a LCD display.
Dispose of a high performance engine without brushes that allows a maximum load of 7.5 kg.
Incorporates a safety system to avoid overpass the maximum speed required.



Model	**Motion**
Speed	100 - 500 rpm
Orbit	10 mm
Timer	1 min. a 20 hours
Maximum load	7,5 Kg.
Dimensions	420 x 370 x 100 mm
Equipment weight	13.5 Kg

code	description	case quantity	case weight	case volume
LC3000	Orbital digital shaker	1	13.06	0.043

3D orbital digital shaker MOTION 3D

3D orbital digital shaker with speed and agitation time control by means of a LCD display.
With a fix angle of 3D orbital agitation of 9 grades.
Dispose of a high performance without brushers that allows a maximum load of 5 kg.
Incorporates a safety system to avoid overpass the maximum speed required.



Model	**Motion 3D**
Speed	10 - 70 rpm
Orbital angle	9º
Timer	1 min. - 20 hours
Maximum load	5 kg.
Dimensions	430 x 360 x 106 mm
Equipment weight	9 Kg

code	description	case quantity	case weight	case volume
LC4000	3D orbital digital shaker	1	15.39	0.090



Nichrome loops microincinerator

Desktop microincinerator for sterilization of Nichrome loops.
The device reaches a burning temperature of about **1000 ºC** inside, but their external temperature does not exceed **30 ºC**.
In this way there is no danger of burns and can be manipulated with gloves without any problem.
After reaching the sterilization temperature in 7 minutes, the loop is fully sterilized in only 2 seconds.
The material of the tube where the sterilization is performed is quartz so that it prevents the formation of aerosols.
Dimensions: 150x250x215 mm.

code	description	case quantity	case weight	case volume
DEL001	loops microincinerator	1	5.50	0.015

Product color subject to change based on availability.





Stainless steel water still

Automatic stainless steel water distiller.
It supplies an output of 6 - 7 l/h of high purity water (conductivity: 2.5 µS · cm-1 a **20 ºC**) free of metallic ions and pyrogen.
The water quality is considered ASTM III/IV (laboratory grade). In order to always obtain the maximum degree of water purity, we recommend to control periodically the quality of the water supplied to the still and to maintain the inner part of the still in good cleaning conditions.
It embodies two security systems in order to protect still from overheating and save energy: the first system controls the temperature level and turns off the still in case the temperature rises more than required.
The second one interrupts the process in case water supply fails.
Easy maintenance.

Supplied assembled.
Electrical consumption: 6,000 W
Heaters: 2 x 3 KW
Voltage: 230 V
Intensity: 30 A
Water consumption: 60 – 70 l/h

code	dimensions mm	case quantity	case weight	case volume
19580	260 x 260 x 610	1	16.00	0.12

www.laboquimia.es

Plastic dessicator

Base: polypropylene. Cover: transparent polycarbonate. Will hold a vacuum of 740 mm Hg for 24 hours, with loss not exceeding 20 mm Hg. The cover seals onto a neoprene O-ring set into the flange of the base to ensure a positive seal. Non-return valve (polycarbonate) and vacuum release tap (polyethylene) assembly included; a specially grooved stopper in this assembly allows air to be re-admitted very slowly to avoid disturbing the contents. A little grease spread on the O-ring will assist in establishing initial vacuum. The dessicator includes a removable pan for holding calcium chloride or other drying agents.

code	aprox. capac. l	Ø mm	h. ext. mm	h. int. mm	case quantity	case weight	case volume
19230	4.5	200	230	175	1	2.00	0.004
19554	9.2	250	300	225	1	1.38	0.017



Dessicator discs

Material: white polypropylene. 25 holes. **Autoclavable**.

code	Ø mm	for dessicator	case quantity	case weight	case volume
19553	239	19554	10	1.67	0.005

Minimum order quantity: 1



Glass dessicator

Body and cover made of 3.3 borosilicate glass. High chemical resistance.
They are able to desiccate such as calcium chloride, silica gel, phosphorus pentoxide and even sulfuric acid.
Users must clean the sealing surfaces and lubricate them with vacuum grease.
It can maintain a 500mm Hg vacuum for 24 hours.
Dimensions: Ø 200mm, height 270mm.
Capacity approx. 2.5 l

code	description	case quantity	case weight	case volume
19232	glass desiccator with stainless steel plate	1	5.04	0.029
19235	glass desiccator with stainless steel plate with lock	1	4.73	0.031





www.laboquimia.es


400
300
200
100
ml



mod. 3, 4 121°C

Safety containers

Containers manufactured with virgin raw materials enabling incineration; four and six liters containers are made in autoclavable polypropylene, the rest in polyethylene.
Suitable for solid waste type II and III (see page 245).
They are compound by a body bearing the hazard warning label, and two lids:
- The first offers an entire opening, taking advantage of the total diameter of the mouth of the container; very useful to throw away bigger volume waste. May be closed hermetically and definitively
- The secondary one presents a partial opening, which may be closed temporarily or definitively. It embodies two devices in order to easy the extraction/disconnection of dental and analytical needles, and a 70 x 42 mm rectangular orifice. All containers, excepting code **241500**, embody a handle
In accordance with major European and international standards (ONU ADR, etc.).

mod.	code	autoclablable	capacity l	material (body and lid)	Ø mouth mm	Ø base mm	height mm	case quantity	case weight	case volume	cases per pallet
1	**241500**		1.5	PE	148	122	134	60	9.00	0.120	12
2	**242000**		2.0	PE	148	122	162	60	8.90	0.116	12
3	**244000**	✓	4.0	PP	195	175	172	40	11.68	0.147	12
4	**246000**	✓	6.0	PP	220	193	201	20	7.82	0.146	12
5	**240007**		7.0	PE	210	178	240	20	7.80	0.144	12



Needle collection container

Made of high density polyethylene. Instructions for use (in English and Spanish) are printed on the containers.
Suitable for waste type III (see page 245).
Capacity: 1 l.
It features two caps.
The first one has a mouth which embodies three different devices to remove needles.
The other one is designed to close the container temporarily or definitively.
Can be incinerated without release of toxic fumes, like all our containers.
In accordance with major European and international standards (ONU ADR, etc.).

code	colour	dimensions mm	case quantity	case weight	case volume
241400	yellow	Ø mouth 70; Ø base 100; height with cap 173	76	7.90	0.150

www.laboquimia.es



Safety containers

These containers are manufactured in virgin raw materials enabling incineration.
Suitable for solid waste type II and III.
They are compound by a body bearing the hazard warning label, a handle, and two lids, allowing two using options:
- Total opening, taking advantage of the total diameter of the mouth of the container; very useful to throw away bigger volume waste
- Partial opening, 120 mm diameter, usable for syringes, contact plates, and midsize waste

In accordance with ONU standards and major European standards.
Code **240028** is total opening only.

mod.	code	capacity l	material (body / lid)	Ø mouth mm	Ø base mm	height mm	sales unit	sel.ut. weight	sel.ut. volume	cases per pallet
1	**240011**	11	PE / PP	260	226	255	10	5.45	0.048	40
2	**240021**	20	PE / PP	323	277	328	10	9.39	0.090	19
3	**240028**	25	PE / PE	323	283	387	10	9.71	0.100	13

Safety labelling

Permanent adhesion labelling to alert from risk or danger.
Labels are shiny and fluorescent.
In compliance with international safety standards.
Recommendable temperature of use:
- Codes **901531**, **901533**: from **–50 ºC** to **105 ºC**
- Code **901538**: from **4 ºC** to **105 ºC**

mod.	code	description	bag quantity	bag weight	bag volume
1	**901531**	roll of 500 labels (labels size 25 x 25 mm)	1	0.07	0.0002
2	**901533**	bag of 10 units 200 x 250 mm	10	0.06	0.0010
3	**901538**	roll of 13 m x 25 mm	12	0.57	0.0013







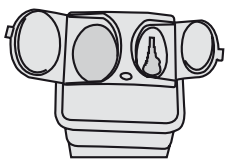
A
mod. 1, 4



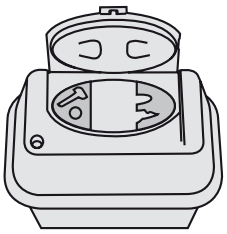
B
mod. 2



C
mod. 3



A+C
mod. 5



D
mod. 6, 7, 8

Safety containers

121°C

Manufactured in polypropylene, they are also shockproof, perforation and solvents resistant, and can be incinerated. Two ways of locking: provisional; and permanent. **Autoclavables**. Portable models **260000** and **232806** are designed to be easy opened and closed with just one hand.

1. **232810**, 0.20 l capacity. Approximate capacity for 100 needles. Suitable for needles and lancets. Device **type A**. Easy opening and closure with just one hand.
2. **260000**, 0.45 l capacity. Designed for those people who need regular injections and have to carry a needle container. With a device **type B** and a handle. Black colour.
3. **232811**, 0.45 l capacity. Similar to the previous model, but in yellow colour, and featuring **device C**.
4. **232806**, 0.6 l capacity. Usable for insulin needles, it is also right for complete syringes. Features a device **type A** and a handle on one side**.**
5. **232809**, 1 l capacity. Suitable in places where waste quantity to be disposed of is small. With a handle and devices **A and C**.
6. **232808**, 2 l capacity. Features devices **type D**.
7. **232801**, 4 l capacity. The most used container for discarding residues in general. Embodies devices **type D** and a handle.
8. **232802**, 7 l capacity. Its height makes it ideal for contaminated pipettes. With devices **type D**.

All models, excepting **232810, 232811, 260000**, and **232806**, embody a socket to place needle caps in vertical position. All of them are in accordance with ADR (UN). Excepting portable models (**260000**, and **232806**) the others are also in accordance with BS 7320, TRBA250 and AFNOR NF X 30 500 standards. These models are constantly updated; design can be slightly modified. Suitable for solid waste type II and III. Produced in compliance with new international ISO 23907 (drilling, drop, liquid, stability), ADR, UN, NFX 30-500 (France), TRBA 250 (Germany), Ö Norm (Austria).

mod.	code	capacity l	container dimensions mm	opening devices	useful capacity l	container weight g	case quantity	case weight	case volume
1	**232810**	0.20	79 x 37 x 146	A	0.20	64	100	6.22	0.040
2	**260000**	0.45	105 x 50 x 167	B	0.35	88	100	10.00	0.080
3	**232811**	0.45	105 x 50 x 167	C	0.35	88	100	9.88	0.080
4	**232806**	0.60	110 x 55 x 220	A	0.47	112	100	12.30	0.112
5	**232809**	1.00	107 x 90 x 190	A+C	0.81	125	100	13.70	0.093
6	**232808**	2.00	195 x 120 x 170	D	1.60	216	50	12.50	0.092
7	**232801**	4.00	175 x 175 x 248	D	3.00	310	50	16.73	0.130
8	**232802**	7.00	175 x 175 x 382	D	5.60	434	50	23.78	0.200

DEVICES:

A. Oval aperture for syringes and lancets.
B. Removal of needles with non return system.
C. Removal of luerlock, luerslip and pen needles.
D. Five kinds of aperture: a wide one to discard elements of medium size; another one designed to remove scalpel blades; one to remove luerlock and blood collection systems; to remove butterfly and luerslip needles and the last one for insulin pen.

www.laboquimia.es



Cardboard waste containers

Cardboard containers with lid, designed for storage and disposal of group II solid and semi-solid waste. With an integrated low density polyethylene bag (stuck in their interior). They can be incinerated without release of toxic fumes. The lid features two seals. One temporary that will avoid unpleasant smells and eliminate the risk of contamination while using the container. The second one is a definitive, positive seal: closing the bag with a belt already included, sealing the lids, and reinforcing them with an adhesive tape.
These containers embody lateral handles.
Model 3, code **250050**, 50 l capacity, is made of cardboard 2.7 mm minimal thick. PEBD 60 µ bag, adhered to the base and the walls. **Its height allows users not to need to lean forward as they throw away waste**. Easy to assemble thanks to its auto-mountable bottom. A maximum filling line is printed on its body.
Model 4, code **270045**, 50 l capacity, is manufactured in **reinforced cardboard, double thickness** (4 mm minimum). PEBD bag 54 µ adhered to the base. Safe closure with the help of raised edges. Both are printed with the biohazard anagram and text; assembling and closing instructions and drawings; identification formulary, and standards. Suitable for liquid and solid products or products with a certain level of humidity. In accordance with UN ADR (road transport), and manufactured pursuant new French Standard NFX 30 507. Containers are supplied folded up for space-saving. Those containers are not suitable for needle disposal. For this purpose see the special containers on previous pages.

mod.	code	quantity	capacity l	container dimensions mm	maximum load kg	weight ut. g	pallet dimensions	pallet quantitty
3	**250050**	10	50	263 x 263 x 756	12.5	660	100 x 120 x 180	40 x 10
4	**270045**	10	50	290 x 377 x 490	18.0	860	120 x 100 x 220	300

Clasificación of waste by type:

Type I waste: medical waste treated as municipal waste. Easy management (cardboard, paper, office equipment, kitchens, garages, gardening and non-infectious patients waste).

Type II waste: non specific medical waste. Preventive measures in the handling, collection, storage and transport in the field of health center (dressing materials, plasters, clothing and single-use material contaminated with blood, secretions and/or excretions).

Type III waste: specific health waste or risk waste. Preventive measures in the handling, collection, storage, transportation, treatment and disposal, as they may pose a health risk to workers and the public. They can be divided into 5 groups: medical waste or infectious anatomical waste, blood and blood products in liquid, needles, sharps and live attenuated vaccines.

Type IV waste: waste specified in singular regulations. Subject to especial requirements from the point of view of hygiene and environtment. Include: cytostatic waste, chemical residues, expired pharmaceuticals, minerals and synthetic oils, waste metals, radioactive waste and human anatomical remains entity.

Source: NTP 372 – Spanish National Institute of Safety and Health at Work.

Rectangular waste containers (PP)

Made of yellow, perforation resistant, virgin polypropylene. Suitable for solid or semi-solid waste, II and III groups.
Lids feature a central handle for a better handling in the daily use and also while carrying containers.
Secure closure thanks to their fourteen closing points. Lateral handles for further help carrying.
Can be incinerated with no release of toxic fumes. Stackable when empty, or full and closed. Minimum wall thickness: 2.5 mm. Closing sealed for air and gas.
Manufactured following new French Standard NFX 30 505.

mod	code	quantity	capacity l	container dimensions mm	maximum load (ADR) kg	weight ut. g	pallet dimensions	pallet quantity
1	**240035**	10	30	415 x 314 x 373	14	1.400	80 x 120 x 200	130
2	**240065**	10	60	415 x 314 x 575	25	1.984	80 x 120 x 200	115



Sterilization indicator tapes

Self-adhesive sterilisation indicator tapes made of semicreped paper. It sticks on different surfaces such as plastic, metal, fabrics, paper, cardboard, etc. Thickness range from 0.15 mm to 0.17 mm depending on the model. Tape will remain affixed for 18 months.
191050: indicator for sterilisation by ethylene oxide gas.
The word GAS printed in brown changes to green once it has been sterilized. Following the specifications:
• exposition to 500 mg/l EO and 60% RH for minimum 30 min at **30 ºC**
• exposition to 12% EO and 60% RH for minimum 48 min at **54 ºC**.
191051: indicator for sterilisation with poupinel method (dry heat). The green strips turn to brown by the effect of time and temperature as per the following specification:
• exposition a minimum 20 min at **160 ºC** or more in dry air.
191052: indicator for sterilisation with steam.
The green strips turn to dark brown by the effect of time, temperature and saturated steam as per the following specification:
• exposition at **121 ºC** for 10 min
• exposition at **134 ºC** for 2 min.

mod.	code	type of sterilisation	lenght. mm	width mm	case quantity	case weight	case volume
1	**191050**	ethylene oxyde gas	50	19	8	0.93	0.0027
2	**191051**	dry heat (poupinel)	50	19	8	1.06	0.0043
3	**191052**	autoclave	50	19	8	1.08	0.0043



Sterilization indicator tapes

For steam **autoclave**.
Resistance to cold: **–40 ºC**.
Model 1: The tape has printed on it **CONTAMINATED**.
After sterilisation to **121 ºC** the word STERILIZED appears.
Model 2: The tape has printed on it **–Batch**, **–Con**. (Control) and **–Date**. After sterilisation to **121 ºC** the word **STERILIZED** appears.

mod.	code	descrtiption	case quantity	case weight	case volume
1	**191222**	roll of 19 mm x 13 m	8	0.33	0.0007
2	**191223**	roll of 19 mm x 13 m	8	0.33	0.0007



Alcohol pads

Desinfecting pads with 70% isopropyl alcohol, made from a smooth, fiber-free fabric. Ideal for use as an antiseptic for cleaning small areas.
Supplied in aluminium bags.

code	dimensions cm	case quantity	case weight	case volume
192928	6.3 x 3	24 x 100	2.86	0.011

Bags for Autoclave

Printed with the biohazard graphic symbol and instructions of use in five languages. Do not close the bags hermetically when placing them in the **autoclave** a **121ºC**.

code	dimensions cm	materiel	aprox. capacity l	tickness microns	bag quantity	bag weight	bag volume
200310	30 x 60	PP	12	37.5	500	5.99	0.013
200311	40 x 75	PP	24	37	300	6.10	0.023
200100	50 x 75	PE	34	30	100	2.05	0.006
200312	60 x 75	PP	49	37	200	6.25	0.020
200318	75 x 90	PP	100	37	100	4.36	0.011

Minimum order quantity: 50.000 pieces.



Autoclave resistant red bags

Heavy duty, high impact biohazard bags made of a 0.055 mm thick high molecular weight polypropylene blend.
They are **autoclavable** to **138 ºC**, saving autoclave time.
Bags printed with the standard biohazard warning symbol and precautionary procedures in four languages: English, Spanish, French and German.
They feature a **sterilization indicator** patch that darkens when exposed to steam sterilization. Do not close the bags hermetically when placing them in the autoclave.

code	dimensions cm	volume l	case quantity	case weight	case volume
200320	48 x 58	24.4	200	5.10	0.011
200321	65 x 91	75.1	200	10.93	0.017
200322	78 x 96	121.0	200	13.25	0.029



Bottles for sterilization

Made of soda glass 3.3. **Autoclavable** up to **140 ºC**.
Graduations printed in white colour. Screw caps (**GL45**) made of blue polypropylene.
Ribbed screw caps for a better handling.
Drip ring on bottle neck to avoid dripping. Ideal for chemical reagents and culture media.
They can be used fo freeze substances up to **–40 ºC**.
It is recommended to frezze them in an inclined position (ca 45º) and filled up to max. 3/4.

code	capac. ml	screw	Ø ext. mm	height mm	case quantity	case weight	case volume
402001	100	GL45	56	100	10	1.68	0.004
402002	250	GL45	70	138	10	2.65	0.008
402005	500	GL45	86	176	10	4.12	0.015
402010	1,000	GL45	101	225	10	6.42	0.027
402020	2,000	GL45	136	260	10	11.13	0.054





Coloured adhesive tapes for sample identification

Ideal for use in freezers, autoclaves, etc. Peel off without leaving a sticky residue.
Withstand temperatures from **–50 ºC** to **130 ºC**.
High resistance to oils, acids, water, etc.
Suitable for glass, plastic, paper, metal and rubber surfaces.
Can be marked with pencil, ball-point pen, etc.
Tape roll inside diameter: 13 m rolls: 26 mm, 55 m rolls: 76 mm.
All tape models are 19 mm wide.
The code **191220** is a 12 roll tape metal dispenser that accepts 13 m rolls.

code	colour	tape length m	case quantity	case weight	case volume
191221/1	white	13	16	0.64	0.001
191221/2	red	13	16	0.64	0.001
191221/3	yellow	13	16	0.64	0.001
191221/4	green	13	16	0.64	0.001
191221/5	orange	13	16	0.64	0.001
191221/6	blue	13	16	0.64	0.001
191221.1	white	55	12	1.78	0.005
191221.2	red	55	12	1.78	0.005
191221.3	yellow	55	12	1.78	0.005
191221.4	green	55	12	1.78	0.005
191221.5	orange	55	12	1.78	0.005
191221.6	blue	55	12	1.78	0.005
191220	dispenser	-	1	2.75	0.005

Minimum order quantity: 1



Adhesive labels

White colour.

code	description	bag quantity	bag weight	bag volume
901031	55 x 37 mm printed	2 x 5,000	2.34	0.003
901031.2	55 x 37 mm plain	2 x 5,000	1.20	0.003
901041	50 x 30 mm printed	1 x 10,000	2.70	0.002
901016	50 x 30 mm plain	1 x 10,000	2.34	0.005
901030	35 x 25 mm printed	2 x 7,500	2.25	0.006



Pipetting bulb

Made of rubber. Used to avoid mouth pipetting and contamination risk.
Can be opened, cleaned and **autoclaved**.
Ideal for Wintrobe and Westergren pipettes.

code	description	bag quantity	bag weight	bag volume
19201	red pippeting bulb	1	0.04	0.0002

121ºC

www.laboquimia.es

Safety glasses

Made of polycarbonate (1.5 mm thickness).
Scratch resistant, antifogging, antistatic lenses.
Protect against UV rays.
With lateral vents. Conform to EN 166 standard.
Eyepiece dimensions: 145 x 65 mm.

code	description	quantity	weight	volume
19385	glasses	5	0.47	0.002

CE EPI



Safety glasses

Made of polycarbonate (2 mm thickness).
Can be worn over conventional corrective glasses.
Conform to EN 166, EN 167, EN 168, EN 169, EN 171 and EN 172. Standard.
Eyepiece dimensions: 152 x 60 mm.

code	description	quantity	weight	volume
19386	glasses	12	0.69	0.004

CE EPI

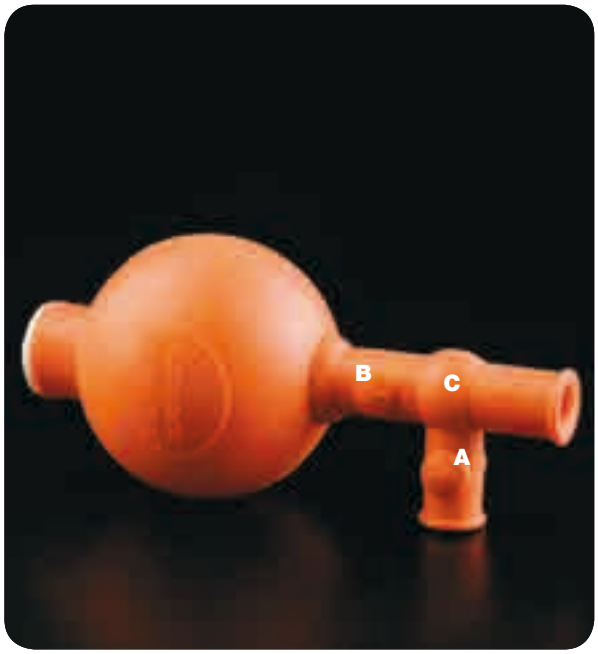


Emergency eyewash bottle

Made of low density polyethylene, the bottle is flexible and easy to squeeze. The bottle has an eyecup with a snap-on cap. The eyecup has a perforated plate to break up the stream providing a gentle spray to the eye. A capped air vent valve prevents drawback of contaminated eye wash into bottle. Contaminated wash exits through a drain tube, which rotates in any direction.
Instructions for use printed in various languages.
Bottle capacity: 1 l.
Supplied empty.

code	capacity ml	case quantity	case weight	case volume
19384	1,000	1	0.25	0.004







1. Evacuate the air by pressing the bulb, as the drawing indicates.



2. Intake by pressing on point B ⓐ



3. Drain the liquid by pressing on point A ⓐ



4. Blow out the pipette by pressing as the drawing indicates (point C).

EUROTUBO® Pipetting bulb

This one-handed design is the simplest safety pipette filler to use available. Manufactured in natural orange rubber.
Approx. drawn capacity: 25 ml.
Single hand use, only two operating points. Evacuate via the automatic valve.
Standard model, accommodates all pipettes. Ability to clean inside of bulb by removing patented valve and rinsing out.

code	description	bag quantity	bag weight	bag volume
19200	pippeting bulb	1	0.05	0.0004



Pipette pumps

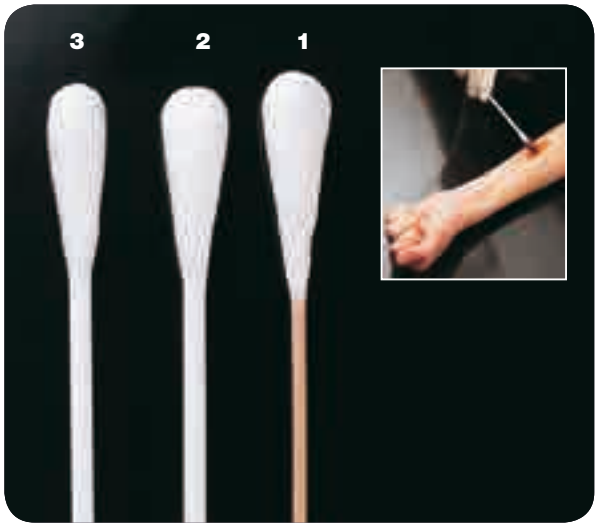
Several models for various pipette volumes.
Designed for fast and efficient pipetting with simple, one handed operation.
Pipettes fit smoothly into collar.
Rotate the knurled thumb wheel on the side for precision filling or dispensing, and press the fast release lever for quick emptying.
Easy to use and easily disassembled for cleaning.
Sizes are colour coded.
Pipette pumps resist acids and alkalies.
Attention: New models coming soon.

code	description	colour	bag quantity	bag weight	bag volume
W-100	up to 2 ml	blue	1	0.06	0.0002
W-110	up to 10 ml	green	1	0.06	0.0002
W-120	up to 25 ml	red	1	0.06	0.0002

Pipette pump support rack

Made of acrylic resin and designed to keep in position 4 pipette pumps.
Suitable for the above pipette pumps.

code	dimensions mm	bag quantity	bag weight	bag volume
W-150	109 x 208 x 144	1	0.34	0.005



Hospital swabs

Cotton tip Ø 11 mm.
Swabs designed for cleaning and desinfection when tip is soaked in a desinfectant, thus reducing the risk of a direct contact between user's hands and the wound or surface to clean.

mod.	code	description	case quantity	case weight	case volume
1	**300234**	wood + cotton 150 x 2.5 mm	20 x 50	2.20	0.012
2	**300236**	polypropylene + cotton 150 x 4 mm	20 x 50	2.30	0.012
3	**300237**	polypropylene + cotton 200 x 4 mm	10 x 50	3.30	0.012

CE MDD

www.laboquimia.es

Wash bottles

Made a combination of high and low density polyethylene. Transluscent bottle, with HDPE cap (blue), delivery tube and seal cap (natural).
Bottle caps are ribbed for a better handling.
High resistance to all liquids, acids and bases.
Include a large neck for safe and easy filling.

code	capac. ml	neck mm	base mm	height mm	case quantity	case weight	case volume
44330000	250	30	65	155	90	5.30	0.078
44300000	500	30	75	185	60	4.85	0.080
44310000	1,000	30	90	222	45	5.02	0.110



Wide mouth wash bottles

Transluscent low density polyethylene bottles, with screw cap and delivery tube available in 3 different colours (natural, blue, yellow and red) for easy identification. Feature a one piece cap and delivery tube assembly, thus eliminating air or liquid absorption through the cap. Include a wide neck for safe and easy filling.
Ribbed caps for a better handling while opening and closing.
Moulded-in graduations.
250 ml model is graduated in 25 ml increments, 500 ml model, in 100 ml increments.

code	capac. ml	cap colour	int. neck Ø mm	base Ø mm	height mm	case quantity	case weight	case volume
191637	250	natural	38	60	140	10	0.55	0.009
191637.04	250	blue	38	60	140	10	0.55	0.009
191637.06	250	yellow	38	60	140	10	0.55	0.009
191637.10	250	red	38	60	140	10	0.55	0.009
191638	500	natural	38	75	165	10	1.01	0.019
191638.04	500	blue	38	75	165	10	1.01	0.019
191638.06	500	yellow	38	75	165	10	1.01	0.019
191638.10	500	red	38	75	165	10	1.01	0.019



Integral wash bottles

Made of transluscent polyethylene. Feature a one piece cap and delivery tube assembly, which eliminates air or liquid absorption through the cap and ensures a positive leaktight seal. To increase liquid flow, cut the tip of the delivery tube; close the tip by means of the cap attached to the delivery tube.
Caps are ribbed for a better handling while opening and closing.
Tagging points on neck and cap for a tamper proof closure. Bottles include a fill in line.

code	capac. ml	height mm	neck d/n std.	case quantity	case weight	case volume
191633	250	143	GL32	10	0.68	0.008
191634	500	181	GL32	10	0.84	0.015





Wood tongue depressors

Tongue depressor with smooth rounded edges. Made from high-quality wood to provide a smooth, splinter-free finish. Odour and taste-free.
Maintains a high tensile strength.
In addition to their traditional use, depressors can be used for spreading balms and ointments, for stirring liquids or mixing medicine, etc.
The sterile models are supplied with “instructions for use”.
Size: 15 x 1.8 cm.

code	description	case quantity	case weight	case volume	cases per pallet
441142	non sterile	50 x 100	13.78	0.027	40
441242.2	STERILE EO individual flow-pack	4 x 500	12.66	0.070	24

Sterile models are supplied with “instructions for use”.

CE MDD



Plastic tongue depressors

Made of polystyrene.
Colour: cream. Tongue depressor with smooth rounded edges.
Odour and taste-free. Maintains a high tensile strength.
More flexible than wood depressors.
Features a ribbed finger rest for easy handling. In addition to their traditional use, depressors can be used for spreading balms and ointments, for stirring liquids or mixing medicine, etc.
Size: 16 x 2 cm.

code	description	case quantity	case weight	case volume	cases per pallet
441142.1	non sterile	6 x 250	8.30	0.014	108
441142.2	STERILE EO individual flow-pack	4 x 500	12.66	0.070	24

Sterile models are supplied with “instuctions for use”.

CE MDD



Absorbent paper

This 125 g/m^2 absorbent paper provides a total protection thanks to its two layers. The top side consists of a layer of cellulose of great liquid absorption power; the reverse side consists of a layer of polyethylene ensuring that it is completely waterproof.
For use in the following applications:
- laboratory trays and tables protection
- pathological anatomy laboratories
- seed germination (between-paper method)
- spillage recovering using its leaktight surface
- particularly suitable for working with materials that are valuable (precious metals) or hazardous (toxic or corrosive materials)

Paper thickness: 0.250 mm.
Absorption: 240 g/m^2. Klemm absorption: 86 mm.

code	description	case quantity	case weight	case volume
120003	50 m x 50 cm reel	1 reel	3.01	0.009
120002	50 x 50 cm sheets	1x100 sheets	2.90	0.008



Filter paper

Our range of filter paper reams is made from high quality cellulose fibres to ensure a good resistance to humidity and a high absorption capacity.
Pore diameter: ± 30-40 microns. For use in the following applications:
- laboratory worktop protection
- simple filtering operations for varied products
- labware sterilisation
- pharmaceutical product preparation

code	sheet size cm	grammage	thickness mm	Klemm absorp. (mm)	case quantity	case weight	case volume
120010	50 x 50 cm	73 g/m^2	0,170 ±0,02	89	1x100 sheets	2.04	0.006

Urine collection bottle

Made of polyethylene.
Colour: natural. Collection bottle for male urine, including a 110 mm handle. The bottle has moulded-in graduations in 100 ml increments up to 1,000 ml. Total capacity: 1.1 l. Rounded rim on the neck of the bottle. Inner diameter of the neck is 50 mm, outer diameter is 69 mm. Supplied **individually wrapped**.
Can be sterilised by ethylene oxide.

code	total capacity	case quantity	case weight	case volume	cases per pallet
19591	1 l	60	5.40	0.160	12

Supplied with "instructions for use".



Urine collection bottle with lid

With the same characteristics than the previous model this one features a plug in lid.
Individually wrapped.

code	total capacity	case quantity	case weight	case volume	cases per pallet
19591/T	1 l	60	6.54	0.160	12

Supplied with "instructions for use".

Bed pan

Made of white polypropylene.
Especially designed for disabled people, for the collection of urine and faeces. Features **rounded edges** for more comfort.
L-shaped handle for a better handling.
Allows a secure one-handed grip and avoids accidental spillage.
Useful for hanging on handles, beds, etc.
Total capacity: 2.5 l.
Autoclavable.
Can be washed in automatic machines.
Supplied **individually wrapped**.

code	dimensions mm	case quantity	case weight	case volume	cases per pallet
19586	440 x 270 x 95	20	10.69	0.140	12

Supplied with "instructions for use".

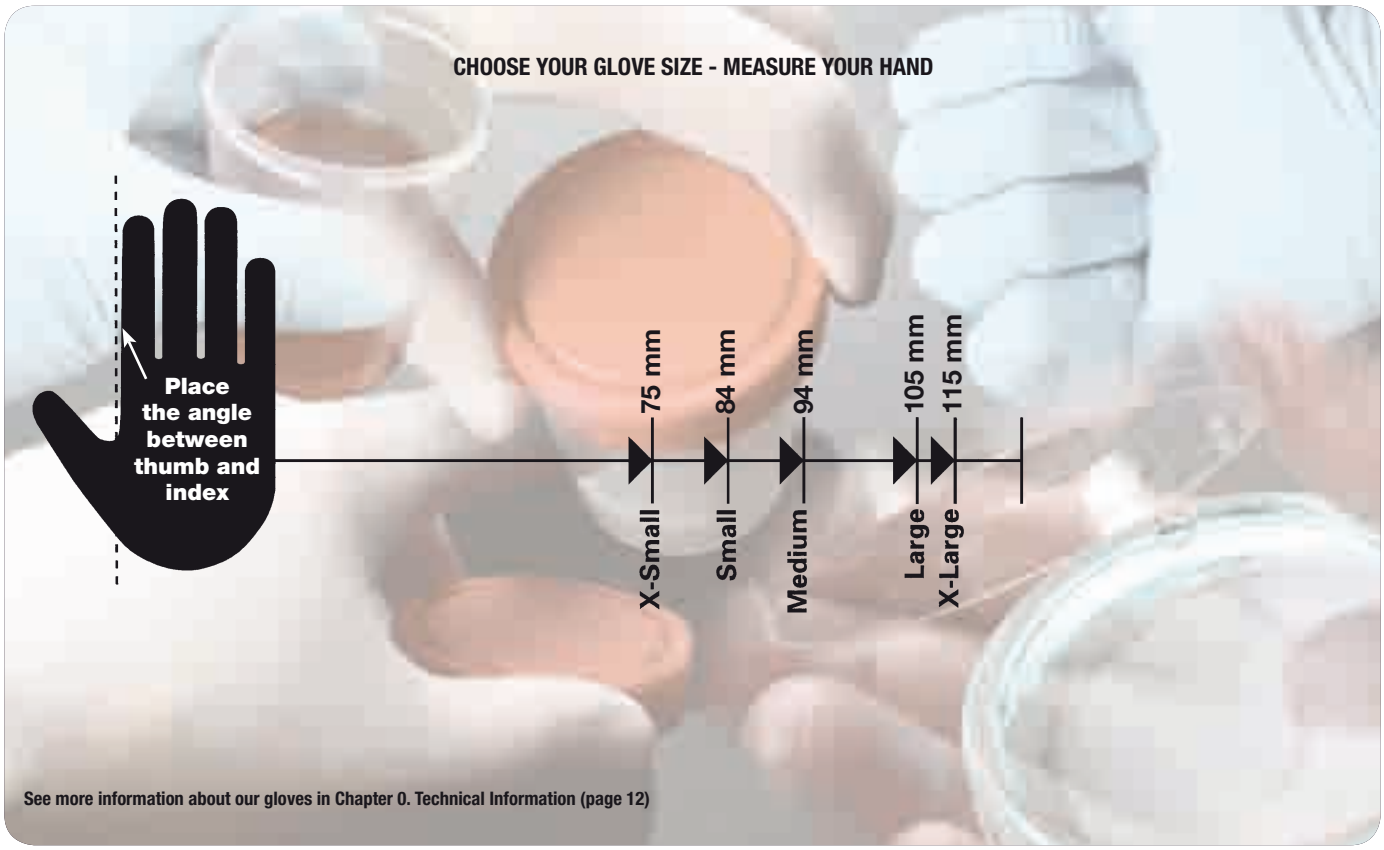


Safety gloves

Provide superior protection when handling hot, cold or damp objects.
Made of strong non toxic silicone rubber which resists tearing and withstands temperatures from **–55 ºC** up to **260 ºC**.
Thumb and fingers fit into end pockets. The gripping surfaces have multiple concave tipped studs for non-slip grip (48+48 studs).

code	dimensions mm	case quantity	case weight	case volume
19270	190 x 100	1	0.19	0.001





See more information about our gloves in Chapter 0. Technical Information (page 12)



Nitrile gloves

Single-use gloves made of blue nitrile. Powder-free. Non sterile.
Suitable for medical and laboratory use. Supplied in convenient dispenser boxes of 100 units. Opening box with pre-drilled at the top.
Easy and convenient removal of the glove.
Indication of height in dispenser box and carton. Maximum safety and waterproof gloves, they are three times more resistant than latex gloves.
Antistatic, ambidextrous and ergonomic.
Beaded cuff, reinforced ensuring easy installation and preventing it from rolling.
High sensitivity to touch.
Finish: microtextured outer surface on the fingertips, it provides greater grip strength. Chlorinated inner surface, smooth and comfortable. Use temperature range: -20 ºC to 50 ºC. Free of protein.
Made of materials suitable for food use.
In compliance with:

- CE marck According to Directive 93/42/CE.
- European Standards: EN 420, EN 374, EN 455, EN 388.
- Directives PPE: 89/686/EEC (Category III)
- ASTM D 6978-05, ASTM F 1671, ASTM F 1670

code	size	description	case quantity	case weight	case volume
4020NP	small (6-7)	powder-free nitrile gloves	10 x 100	3.90	0.021
4020NM	medium (7-8)	powder-free nitrile gloves	10 x 100	4.20	0.021
4020NG	large (8-9)	powder-free nitrile gloves	10 x 100	4.50	0.021

Expiration: 60 month from manufacturing date

Thickness:
Finger: 0,10 mm (± 0,02 mm)
Palm: 0,07 mm (± 0,02 mm)
Fist: 0,05 mm (± 0,02 mm)

NEW CE EPI CE MDD



Vinyl gloves

Single use transparent vinyl gloves, suitable for medical, laboratory, or cleaning and disinfection. Powder- free. Made of high-density polyvinyl chloride.
Non sterile.
Ambidextrous. With beaded cuff, reinforced ensuring easy installation and preventing them from rolling.
High sensitivity to touch.
Free of latex proteins.
Supplied in boxes of 100 units.
Temperature range: -20 °C to 50 °C
In compliance with:

- CE marck According to Directive 93/42/CE.
- European Standards: EN 420, EN 374, EN 455, EN 388.
- Directives PPE: 89/686/EEC (Category III)

code	size	description	case quantity	case weight	case volume
2020VP	small (6-7)	powder-free vinyl gloves	10 x 100	5.10	0.159
2020VM	medium (7-8)	powder-free vinyl gloves	10 x 100	5.50	0.159
2020VG	large (8-9)	powder-free vinyl gloves	10 x 100	5.90	0.159

Expiration: 60 month from manufacturing date

Thickness:
Finger: 0,08 mm (± 0,02 mm)
Palm: 0,07 mm (± 0,02 mm)
Fist: 0,06 mm (± 0,02 mm)



Latex gloves

Single use gloves, suitable for medical, laboratory use, industries, etc.
Made of top quality natural colour latex.
Supplied in convenient dispenser boxes of 100 units.
Ambidextrous, ergonomic and have beaded cuffs, which makes them more resistant. Non sterile.
2 versions: powder-free or pre-powdered. Pre-powdered model contains cornstarch.
In compliance with regulations:

- Registered as CE MDD
- Directive 93/42/EEC. Medical devices
- Directive on Personal Protective Equipment (PPE) 89/686/EEC (Category III)
- European Standards EN 455, EN 374, EN 420, EN 380.
- Micro perforations Inspection Level: AQL 1.5
- Free of all chemicals contained in the “candidate list” of REACH.

code	size	description	case quantity	case weight	case volume
1020LP	small (6-7)	powder-free	10 x 100	6.11	0.020
1020LM	medium (7-8)	powder-free	10 x 100	6.13	0.020
1020LG	large (8-9)	powder-free	10 x 100	6.96	0.020
1000LSP	extra-small (5-6)	pre-powder	10 x 100	5.40	0.018
1000LP	small (6-7)	pre-powder	10 x 100	5.60	0.018
1000LM	medium (7-8)	pre-powder	10 x 100	6.00	0.018
1000LG	large (8-9)	pre-powder	10 x 100	6.30	0.019

Expiration: 60 month from manufacturing date

Thickness:
Latex gloves with powder
Finger: 0,12 mm (± 0,03 mm)
Palm: 0,09 mm (± 0,03 mm)
Fist: 0,08 mm (± 0,03 mm)

Latex gloves without powder
Finger: 0,10 mm (± 0,03 mm)
Palm: 0,09 mm (± 0,03 mm)
Fist: 0,07 mm (± 0,03 mm)





Measuring cylinders with pentagonal base

Material: polypropylene. **Autoclavable** up to **121 ºC**.
In compliance with ISO 6706 and BS 5404 standards.

code	capac. ml	grad. ml	subdiv. ml	O.D. Ø mm	height mm	case quantity	case weight	case volume
408025	25	5	0.5	19	195	30	0.78	0.010
408050	50	10	1.0	26	200	30	1.10	0.010
408100	100	10	1.0	31	250	30	1.47	0.018
408250	250	20	2.0	41	315	12	1.40	0.015
408500	500	50	5.0	56	360	12	1.94	0.029
481000	1,000	100	10.0	66	440	6	1.58	0.029
482000	2,000	200	20.0	80	530	6	3.75	0.048

Minimum order quantity: 1.

Graduated measuring cylinders pentagonal base

Made of polypropylene. **Autoclavable** up to **121 ºC**.
ISO 6706 and BS 5404 standards.

POLYPROPYLENE

code	capac. ml	grad. ml	subdiv. ml	O.D. Ø mm	height mm	case quantity	case weight	case volume
192562*	50	10	1.0	26	200	30	1.15	0.011
192563*	100	10	1.0	31	250	30	1.33	0.021
192564	250	20	2.0	41	315	12	1.50	0.014
192565	500	50	5.0	56	360	12	2.50	0.028
192566*	1,000	100	10.0	66	440	6	2.15	0.029
192567*	2,000	200	20.0	80	530	6	3.25	0.048

*Minimum order quantity: 1.

Made of **TPX**. **Autoclavable** up to **170 ºC**.
ISO 6706 and BS 5404 standards.

TPX

code	capac. ml	grad. ml	subdiv. ml	O.D. Ø mm	height mm	case quantity	case weight	case volume
192572	50	10	1.0	26	200	30	1.15	0.011
192573	100	10	1.0	31	250	30	1.40	0.018
192574	250	20	2.0	41	315	12	1.45	0.014
192575	500	50	0.5	56	360	12	2.45	0.028
192576	1,000	100	10.0	66	440	6	2.15	0.030

Minimum order quantity: 1.

www.laboquimia.es





Volumetric flasks with stopper

Material: polypropylene. **Autoclavable** up to **121 ºC**.

code	capac. ml	height mm	Ø base mm	neck	case quantity	case weight	case volume
191484	25	25	36	12 / 21	20	0.24	0.002
191485	50	50	46	14 / 23	20	0.32	0.005
191486	100	100	58	14 / 23	20	0.39	0.012
191487	250	250	82	19 / 26	10	0.52	0.010
191488	500	500	100	19 / 26	10	0.60	0.018
191489	1,000	1,000	120	19 / 26	5	0.55	0.019

Minimum order quantity: 1.

Erlenmeyer flasks

Material: polypropylene. **Autoclavable** up to **121 ºC**. Graduated.

code	capac. ml	grad. ml	neck	quantity	weight	volume
191461	125	25	14.5 / 23	1	0.03	0.0006
191462	250	25	19 / 26	1	0.04	0.0001
191463	500	50	24 / 29	1	0.10	0.0002
191464	1,000	50	29 / 32	1	0.20	0.0002
191465	2,000	100	34.5 / 35	1	0.30	0.0004



NOTE: NS Neck:
The first measure regards to the inner Ø of the lower neck. The second one refers to the inner Ø of the upper neck.



Graduated beakers

Made of TPX. **Autoclavable** to **170 ºC**.
ISO 6706 and BS 5404 standards.

code	capac. ml	subdiv. ml	Ø mm	height mm	case quantity	case weight	case volume
191720	25	1	35	49	20	0.17	0.002
191721	50	2	42	60	20	0.29	0.004
191722	100	5	52	72	12	0.70	0.004
191723	250	10	71	96	16	1.45	0.011
191724	500	10	90	120	12	2.10	0.015
191725	1,000	20	110	149	4	1.20	0.010
191726	2,000	50	135	184	4	2.00	0.018
191727	3,000	500	160	200	2	1.80	0.014

Minimum order quantity: 1.





Graduated beakers

Made of transparent polypropylene. **Autoclavable** a **121 ºC**.
ISO 6706 and BS 5404 standards.

code	capac. ml	subdiv. ml	Ø mm	height mm	case quantity	case weight	case volume
191822	50	2	42	60	20	0.31	0.004
191823	100	5	52	72	12	0.35	0.004
191824	250	10	71	96	16	0.75	0.010
191825	500	10	90	120	12	1.05	0.015
191826	1,000	20	110	149	4	0.50	0.010
191827	2,000	50	135	184	4	0.60	0.018
191828	3,000	500	160	200	2	0.90	0.014
191829	5,000	500	191	230	2	1.40	0.022





Graduated beakers

Material: transparent polypropylene. **Autoclavable** up to **121 ºC**.
In compliance with ISO 6706 and BS 5404 standards.

code	capac. ml	Ø mm	height mm	case quantity	case weight	case volume
409050	50	42	60	20	0.29	0.004
409100	100	53	72	12	0.33	0.005
409250	250	71	96	16	0.72	0.011
409500	500	90	120	12	0.88	0.015
491000	1,000	110	149	4	0.49	0.009
492000	2,000	135	184	4	0.86	0.017
493000	3,000	160	200	2	0.88	0.022
495000	5,000	191	230	2	2.00	0.022



www.laboquimia.es

Beakers with three spouts

Graduated beakers made of ultra clear polypropylene **Autoclavable** up to **121 ºC**.
Disposable.
Moulded-in graduations.

code	volume ml	minimum order quantity	case quantity	case weight	case volume
490050	50	10	100	1.02	0.011
490100	100	25	100	1.38	0.011
490250	250	10	100	2.50	0.028
490400	400	10	100	3.30	0.044
490900	900	10	100	5.89	0.060



Conical measuring flasks

In polypropylene. **Autoclavable** up to **121 ºC**.

code	volume ml	height mm	case quantity	case weight	case volume
19423	250	160	18	1.14	0.019
19424	500	180	8	1.00	0.028
19425	1,000	270	3	0.81	0.016



Low form graduated beakers

Material: PFA.
High chemical and temperature resistance **(–250 ºC / 270 ºC)**.

code	capacity ml	div. ml	height ml	Ø mm	quantity	weight	volume
191537	250	50 / 1	96	67	1	0.05	0.001



PFA main features:
This is a type of polyethylene where hydrogen atoms have been replaced by fluorine ones, commonly called «fluocarbons».
- Unbreakable, resistant to almost all temperatures
- Resistant to almost all chemical products, except fluorine and other alkaline metals during fusion
- Non flammable

Highly recommended for those cases where extreme conditions of transport and storage are required.

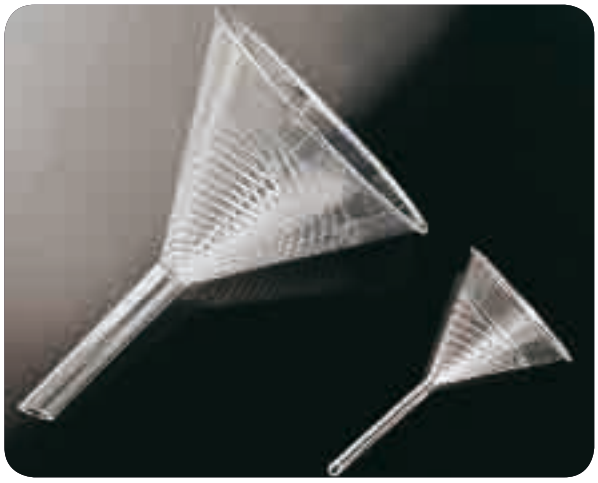


Analytical funnels

Material: polypropylene. **Autoclavable**.
60º angle.

code	Ø mm	stem Ø mm	lenght stem mm	total lenght mm	case quantity	case weight	case volume
19147	45	5	43	79.0	20	0.07	0.0036
19148	65	9	62	112.0	20	0.20	0.0110
19150	80	10	70	132.0	20	0.34	0.0135
19152	100	11	82	161.5	1	0.03	0.0007
19153	120	11	86	184.0	1	0.04	0.0038





High speed funnels

Material: **TPX**. With interior helicoid channels for a quicker filtration. Prevents the filter paper from sticking. Transparent. **Autoclavable**.

code	Ø mm	stem Ø mm	lenght mm	case quantity	case weight	case volume
19175	51	3	150	6	0.12	0.0022
19172	70	3	150	6	0.19	0.0042
19173	100	7	108	4	0.26	0.0063
19174	140	10	132	6	0.96	0.0250





Long-stem funnels

Material: polypropylene. 60ºC angle. **Autoclavable**.

code	Ø mm	stem Ø mm	lenght stem mm	total lenght mm	case quantity	case weight	case volume
19162	60	8	150	194	10	0.16	0.011
19164	80	8	143	206	10	0.20	0.017





Funnels

Material: polypropylene.
Autoclavable.

code	stem internal Ø mm	stem external Ø mm	bouche mm	quantity	weight	volume
194171	5.7	8.1	80	1	0.03	0.0001
194172	9.1	11.7	100	1	0.03	0.0005
194173	9.6	13.0	120	1	0.04	0.0005
194175	13.9	18.2	180	1	0.09	0.0013
194176	18.5	21.8	220	1	0.17	0.0028
194177	21.7	26.4	260	1	0.29	0.0081
194178	24.7	29.7	300	1	0.37	0.0110



Powder funnels

Material: polypropylene. **Autoclavable**. 60º angle.

code	Ø ext. mm	stem Ø mm	case quantity	case weight	case volume
19167	80	15	20	0.28	0.013
19168	100	25	20	0.57	0.011
19169	120	30	1	0.05	0.001
19166	180	40	1	0.09	0.009



«IMHOFF» sedimentation cone

Material: SAN. Moulded graduations according to DIN standards 12672.
Resistant to temperatures from **–20 ºC** to **85 ºC**.
Graduation to 1, 2, 4, 6, 8, 10, 20, 30, 40, 60, 80, 100, 200, 300, 400, 500, 600, 700, 800, 900 et 1000 ml.

mod.	code	capac. mm	Ø mm	height mm	case quantity	case weight	case volume
1	**191055**	1,000	125	480	4	1.75	0.019

Rack for sedimentation cones

Material: PMMA.
For 2 cones. Resistant to temperatures from **–40 ºC** to **85 ºC**.

mod.	code	dimensions mm	case quantity	case weight	case volume
2	**191056**	150 x 300 x 290	1	1.20	0.001



Büchner funnels

Material: polypropylene.
Unbreakable and resistant to corrosion and heat.
Easily dismantled for cleaning. **Autoclavable**.

code	capac. ml	filter Ø mm	upper Ø mm	bottom Ø mm	holes mm	case quantity	case weight	case volume
19438	70	55	15.9	10.7	1	1	0.05	0.007
19440	285	80	17.7	11.4	1.5	1	0.13	0.002
19441	390	90	17.7	11.2	2	1	0.20	0.003
19442	810	110	30.1	22.6	2	1	0.30	0.004
19443	2,100	160	30.4	19.7	2.5	1	0.60	0.012
19445	6,000	240	37.7	23.7	3	1	1.00	0.028







Burette clamps

Made of **autoclavable** polypropylene.
Clamps can fit onto rods Ø 8 to 14 mm.
Stainless steel centre arm includes a spring and firmly holds in place the burette by means of rubber pads.
Burette clamps do not obscure graduations.
Suitable for all burettes. Base is supplied separately, see details below.

mod.	code	description	case quantity	case weight	case volume
1	**19139**	for 1 burette	5	0.22	0.006
2	**19140**	for 2 burette	5	0.32	0.013

Rectangular base for burettes

Base made of **autoclavable** polypropylene, with chromium plated steel rod.
Rods can be screwed one onto the other to obtain different heights.
All models come with 2 rods of Ø 250 x 12 mm.
2 models available: base with central hole, and base with off centre hole.

mod.	code	description	case quantity	case weight	case volume
3	**19266**	base with central hole and + 2 rods	1	0.75	0.001
4	**19267**	base with off-centre hole and + 2 rods	1	0.80	0.005

Rods available separately.
Please contact our Commercial department.

Funnel holders

Made of **autoclavable** polypropylene.
Double holder, for funnels from 25 mm (adaptor supplied) up to 170 mm.
Without adaptor, holders can be used with powder funnels with diameter not exceeding 35 mm.
Suitable for use on Ø 8 to 14 mm rods (which include codes **19266** and **19267** for example) by means of adaptors (included).

code	description	case quantity	case weight	case volume
19269	for 2 funnels	5	0.65	0.001





Pipette stand

Made of polypropylene. Consists of a rounded base with a rod, and a circular pipette stand to hold up to 28 pipettes.
Base and pipette stand are supplied separately.
• Code **19262**, rounded base with rod, is specially designed to hold the pipette stand.
• The stand code **19265** accomodates 18 pipettes Ø up to 10 mm, and 10 pipettes Ø up to 15 mm.
The lower disc has little holes for liquid draining. The ring included with the stand allows its raising and lowering on the rod.

code	description	case quantity	case weight	case volume
19262	rounded base	1	0.24	0.002
19265	18 small and 10 large holes stand	1	0.35	0.007

Rotary pipette stand

121°C

This stand which can hold 94 pipettes consists of 2 discs rotating on a central vertical axis for convenient pipette selection. The lower rotating disc has tapered sides and open bottoms to protect tips and allow water run off. Rotating discs are 18 cm diameter.
The pipette stand comes unassembled with instructions for quick and easy assembly.
Made of **autoclavable** polypropylene.
Can accomodate all our serology pipettes presented on page 39 and 193, except the 25 ml model.

code	dimensions mm (Ø x h)	case quantity	case weight	case volume
19254	230 x 480	1	0.39	0.005

See Chapter 1. **Microbiology**



Flask weight ring

Heavy vinyl covered ring ideal to improve stability of Erlenmeyer flasks in water bath.
High chemical resistance.

code	erlenmeyer capacity	internal Ø mm	quantity	weight	volume
192470	125 - 500 ml	48	1	0.32	0.0003
192471	250 - 1,000 ml	51	1	0.59	0.0010
192472	500 - 2,000 ml	57	1	0.64	0.0004



Vacuum pump

Material: polypropylene. This vacuum pump combines excellent suction capacity with limited water consumption, under low pressure (0.5-1 kg/cm2) as well as high presssure (10 kg/cm2). The built-in, non return valve protects the pump from possible water back-flow. **Autoclavable**.
Can be dismounted for easy cleaning.

code	description	quantity	weight	volume
191395	water jet vacuum pump	1	0.03	0.00001

Minimum order quantity: 1.

121°C



Pipette and burette rinsing set

Made of polyethylene and polypropylene.
Can hold pipettes and burettes of length up to 60 cm.
Ensures a fast, safe washing.
Ideal for use in labs where caustic and toxic materials are used.

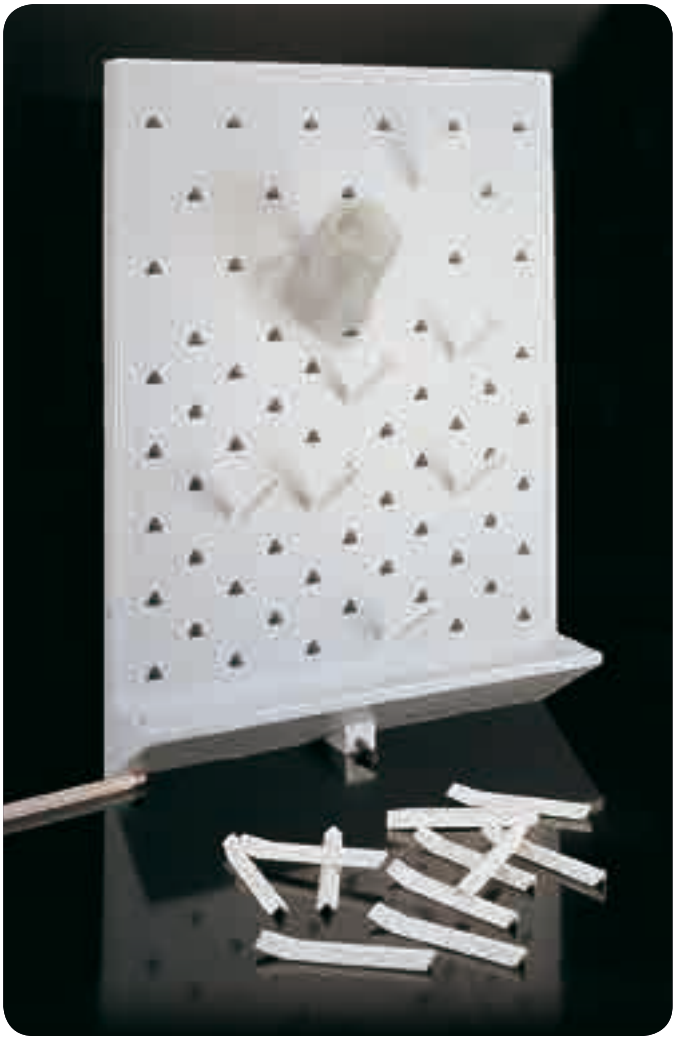
code	description	height mm	Ø mm	case quantity	case weight	case volume
19215	burette washer	990	165	1	3.50	0.11000
19217	pipette washer	734	165	1	3.35	0.08000
19218	pipette jar	650	165	1	1.80	0.04200
19219	pipette basket	650	130	4	2.00	0.02600
19221	pippete jar	500	165	1	1.50	0.03000
191219	extension for 19219	650	130	2	0.56	0.00001

Suggested sets:

- For pipettes: 1 x **19217**
  2 x **19219**
  1 x **19218**
- For shorter pipettes: 1 x **19217**
  1 x **19221**
- For burettes: 1 x **19215**
  2 x **19219**
  2 x **191219**
  1 x **19218**

www.laboquimia.es

deltalab



Drying rack

Wall mountable high impact white polystyrene drying rack for general labware.
This rack consists of a single mould 4 mm plate with 72 peg sockets.
Push-in pegs can be placed in any configuration on the rack, and are easily removable to accomodate odd shaped items.
Peg sockets have closed ends to avoid dripping and eliminate the risk of biological contamination.
Rack suitable for items with diameter of the mouth larger than 15 mm.
A **drip channel** collects dripping that drains via a drain tube provided. Includes 11 additional peg sockets (Ø 6 mm) for smaller parts.
Comes complete with a mounting kit and fixing template.

code	dimensions mm	case quantity	case weight	case volume
19213	450 x 630 x 110	1	4.00	0.045



Drying rack

PVC coated steel wire drying rack for general labware.
It embodies 55 pegs, and 5 brackets specially designed to hold erlenmeyer flasks and beakers. Pegs are plastic coated for better protection.
Two rings on the rack allow the rack to be mounted on the wall.
It includes a tray in order to avoid drops on the surfaces where the rack is placed.

code	dimensions mm	case quantity	case weight	case volume
19212	640 x 360 x 140	1	2.12	0.130



Laboratory spatulas

Material: polystyrene.

code	description	length mm	bag quantity	bag weight	bag volume
19593	spatula-spoon	210	10	0.008	0.0005
19596	spatula-spoon	180	10	0.008	0.0005



Measuring scoops

Material: white polypropylene. **Autoclavable**.
Made with materials suitables for alimentary use.

code	capacity ml	alimentary use	length mm	bag quantity	bag weight	bag volume
191057	10	✓	100	12	0.06	0.0004
191058	25	✓	135	12	0.10	0.0016
191059	50	✓	160	12	0.16	0.0045
191060	100	✓	200	12	0.29	0.0054
191062	250	✓	260	6	0.27	0.0076
191063	500	✓	315	6	0.46	0.0130
191064	1,000	✓	400	6	0.73	0.0150







Measuring scoops

Material: high density polyethylene.
Made with materials suitables for alimentary use.

code	capacity ml	alimentary use	length mm	bag quantity	bag weight	bag volume
191065	25	✓	135	12	0.08	0.0014
191066	65	✓	185	12	0.20	0.0011
191067	110	✓	215	12	0.35	0.0036
191068	150	✓	250	12	0.42	0.0040
191070	350	✓	310	6	0.39	0.0050
191071	750	✓	350	6	0.69	0.0190
191069	1,000	✓	400	6	0.99	0.0115



PVC Pipette tray

Made of white PVC, resistant to temperatures from **–20 ºC** to **80 ºC**. **Model 1**, code **19252**, is perfect to fit inside drawers. It includes four compartments that can hold up to thirty pipettes of 1, 2, 5, or 10 ml.
Model 2, code **19996**. Sixteen pipettes up to 10 mm diameter can be accommodated longitudinally; laterally, seven pipettes up to 20 mm diameter.
Tray edges are ergonomically designed for a better handling. It is also useful with other instruments.

mod.	code	dimensions mm	case quantity	case weight	case volume
1	**19252**	426 x 300 x 30	1	0.53	0.006
2	**19996**	283 x 216 x 40	6	1.38	0.017

See our range of pipettes on pages 41 and 193.



PVC Antiacid trays

Resistant to temperatures from **–20 ºC** to **80 ºC**. Ideal for photographic purposes thanks to their ribbed interior surface.

code	int. dimensions mm	ext. dimensions mm	quantity	weight	volume
19280	200 x 150 x 45	245 x 195 x 50	1	0.15	0.0007
19281	250 x 200 x 60	305 x 250 x 60	1	0.24	0.0012
19282	320 x 260 x 70	385 x 325 x 75	1	0.47	0.0021
19283	350 x 300 x 80	420 x 375 x 85	1	0.52	0.0026
19284	430 x 330 x 90	505 x 405 x 95	1	0.79	0.0043
19285	520 x 420 x 90	600 x 495 x 100	1	1.15	0.0080



High impact polystyrene trays

Temperatures range from **–10 ºC** to **70 ºC**.

code	int. dimensions mm	ext. dimensions mm	body weigth g	quantity	weight	volume
195701	170 x 110 x 10	201 x 151 x 21	78	20	1.80	0.007
195703	320 x 220 x 10	353 x 252 x 21	217	20	5.72	0.014
195705	150 x 100 x 30	201 x 151 x 41	91	20	1.88	0.007
195706	260 x 110 x 30	303 x 151 x 42	134	20	2.76	0.008
195707	310 x 210 x 30	353 x 253 x 41	254	20	6.00	0.019
195709	140 x 90 x 70	202 x 151 x 81	110	20	2.36	0.008
195711	290 x 190 x 70	352 x 252 x 81	299	20	6.64	0.023
195713	380 x 270 x 10	408 x 300 x 21	345	10	3.50	0.014



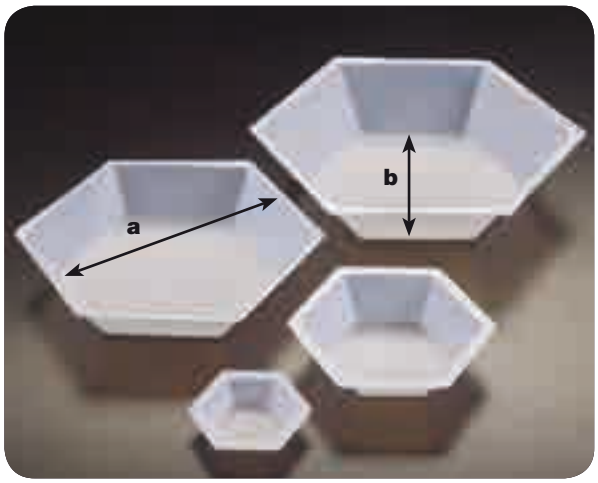
Weighing bottles

Light-weight, re-usable and **autoclavable**, made of translucent polypropylene. Push on lids ensure an airtight seal.
High resistance to chemicals. Tops can be squeezed for more convenient pouring. It is recommended to remove lids before autoclaving.

code	tare (g)	capacity ml	Ø mm	height mm	bag quantity	bag weight	bag volume
19345	10	50	50	30	10	0.11	0.005

121ºC





Hexagonal weighing dishes

Made of white translucent polystyrene. Easily bent into pouring spouts, the dishes enable non-spill transfer. Biologically inert, contaminant-free, they are resistant to diluted acids, aqueous solutions, alcohols and bases.
Antistatic. Suitable for microwave.
Will withstand temperatures from **80 ºC** to **–10 ºC**.

code	capacity ml	upper Ø (a) x lower Ø (b)	case quantity	case weight	case volume
1911106	9	35 x 25	500	0.28	0.001
1911107	50	64 x 47	500	1.00	0.004
1911108	200	110 x 85	500	2.30	0.007
1911109	350	130 x 89	500	2.80	0.014



Squared weighing dishes

Made of white translucent polystyrene.
Easily bent into pouring spouts, the dishes enable non-spill transfer. Biologically inert, contaminant-free, they are resistant to diluted acids, aqueous solutions, alcohols and bases. **Not antistatic**. Suitable for microwave.
Will withstand temperatures from **80 ºC** to **–10 ºC**.
Made with materials that comply with FDA regulations concerning plastic materials in contact with food (styrene waste under 21 CFR 177.1640)

code	dimensions	weight g	bag quantity	bag weight	bag volume
1911103	41 x 41 x 8	0.34	500	0.32	0.001
1911104	89 x 89 x 25	1.07	500	1.39	0.005
1911105	140 x 140 x 22	3.27	500	3.47	0.013



Rhomboid weighing dishes

Polystyrene flexible weighing dishes with a smooth surfaces to provide accurate pour-outs with minimal sample loss. Biologically inert, contaminant-free, they are resistant to diluted acids, aqueous solutions, alcohols and bases.
Wide, flat bottom to resist tipping.
Antistatic.
Suitable for microwave. Will withstand temperatures from **70ºC** to **–10ºC.**

code	capacity ml	colour	dimensions	bag quantity	bag weight	bag volume
1911110	5	white	55 x 35 x 6	500	0.200	0.0010
1911111	30	white	78 x 56 x 14	500	0.520	0.0028
1911112	100	white	119 x 90 x 19	500	1.340	0.0082
1911113	5	black	55 x 35 x 6	500	0.230	0.0010
1911114	30	black	78 x 56 x 14	500	0.500	0.0025
1911115	100	black	119 x 90 x 19	500	1.320	0.0079



Watch glasses

Made of **autoclavable** polypropylene. Moulded base for more stability.
Easy **cleaning**.

code	weight g	Ø mm	case quantity	case weight	case volume
19454	5.5	80	10	0.06	0.002
19455	10	100	10	0.10	0.002

121ºC

www.laboquimia.es

Wash bottles

Made a combination of high and low density polyethylene.
Transluscent bottle, with HDPE cap (blue), delivery tube and seal cap (natural).
Bottle caps are ribbed for a better handling.
High resistance to all liquids, acids and bases.
Include a large neck for safe and easy filling.

code	capac. ml	neck mm	base mm	height mm	case quantity	case weight	case volume
44330000	250	30	65	155	90	5.30	0.078
44300000	500	30	75	185	60	4.85	0.080
44310000	1,000	30	90	222	45	5.02	0.110



Wide mouth wash bottles

Transluscent low density polyethylene bottles, with screw cap and delivery tube available in 3 different colours (blue, yellow and red) for easy identification. Feature a one piece cap and delivery tube assembly, thus eliminating air or liquid absorption through the cap.
Include a wide neck for safe and easy filling.
Ribbed caps for a better handling while opening and closing.
Moulded-in graduations.
250 ml model is graduated in 25 ml increments, 500 ml model, in 100 ml increments.
DIN: GL45.

code	capac. ml	cap colour	int. neck Ø mm	base Ø mm	height mm	case quantity	case weight	case volume
191637.04	250	blue	38	60	140	10	0.64	0.018
191637.06	250	yellow	38	60	140	10	0.64	0.018
191637.10	250	red	38	60	140	10	0.64	0.018
191638.04	500	blue	38	75	165	10	0.84	0.019
191638.06	500	yellow	38	75	165	10	0.84	0.019
191638.10	500	red	38	75	165	10	0.84	0.019



Integral wash bottles

Made of transluscent polyethylene.
Feature a one piece cap and delivery tube assembly, which eliminates air or liquid absorption through the cap and ensures a positive leaktight seal.
To increase liquid flow, cut the tip of the delivery tube; close the tip by means of the cap attached to the delivery tube.
Caps are ribbed for a better handling while opening and closing.
Tagging points on neck and cap for a tamper proof closure. Bottles include a fill in line.

code	capac. ml	height mm	neck d/n std.	case quantity	case weight	case volume
191633	250	143	GL32	10	0.68	0.008
191634	500	181	GL32	10	0.84	0.015





Reinforced silicone tubing. Non toxic

Reinforced silicone tubing with a tough polyester inner-braid imbedded in the wall, it is much more resistant to pressure than standard silicone tubing.
Very flexible. Its clear wall permits positive flow monitoring and inspection.
It has a smooth inner wall that will not trap bacteria-harboring particles, making it ideal for food and beverage use.
Indicated for elevated working pressure.
It is not toxic.
Resist temperatures from **–50 ºC** to **200 ºC** (beaks of **250 ºC**).

Minimum order quantity: one roll of 15 meters.
Made with materials suitables for alimentary use.

code	dimensions mm Ø int. x Ø ext.	bag weight	bag volume
350613	6 x 13	2.10	0.004
350815	8 x 15	2.33	0.013
359517	9.5 x 17	3.06	0.015



Silicone sheets

50 x 50 cm silicone sheets ideal as a laboratory benchtop protection or for use in autoclaves to protect any material.
For cleaning simply use a wet cloth.
Resistant up to 260 °C.

code	thickness mm	bag quantity	bag weight	bag volume
350002	2	1	0.60	0.030
350004	4	1	1.20	0.001

Medical grade silicone tubing. Non toxic

Medical grade silicone. For use in a variety of medical, pharmaceutical, industrial and clinical applications. Translucent tubing. Very high mechanical and chemical resistance. Silicone tubing has a chemical composition similar to quartz and glass and share their excellent properties. **Autoclavable**.
Made with materials suitables for alimentary use.

Technical features:
Specific gravity: 1.2 + 0.1
Toughness: 40 - 80 Sh
Resistance to traction: 77-95 kg/cm2
Extension: 275-780%
Resistance to tearing: 20-50 kg/cm2
Temperature range: **–50 ºC** to **200 ºC** (beaks of **250 ºC**)

code	dimensions mm Ø int. x Ø ext.	bag quantity (meters)	bag weight	bag volume
350051	0.5 x 1	1 x 100	0.08	0.0011
350013	1 x 3	1 x 15	0.12	0.0010
350024	2 x 4	1 x 15	0.23	0.0016
350034	3 x 4	1 x 15	0.22	0.0043
350035	3 x 5	1 x 15	0.26	0.0026
350037	3 x 7	1 x 15	0.51	0.0032
350046	4 x 6	1 x 15	0.56	0.0026
350048	4 x 8	1 x 15	0.80	0.0043
350057	5 x 7	1 x 15	0.38	0.0039
350059	5 x 9	1 x 15	0.83	0.0047
350069	6 x 9	1 x 15	0.61	0.0100
350610	6 x 10	1 x 15	0.83	0.0096
350612	6 x 12	1 x 15	0.22	0.0043
350079	7 x 9	1 x 15	0.63	0.0091
350710	7 x 10	1 x 15	0.70	0.0076
350810	8 x 10	1 x 15	0.67	0.0091
350812	8 x 12	1 x 15	1.11	0.0054
350814	8 x 14	1 x 15	1.87	0.0008
350912	9 x 12	1 x 15	0.82	0.0120
350915	9 x 15	1 x 15	0.22	0.0043
351014	10 x 14	1 x 15	1.43	0.0081
351420	14 x 20	1 x 15	2.72	0.0240
351622	16 x 22	1 x 15	4.15	0.0320
352030	20 x 30	1 x 15	7.00	0.0490

NOTE: Tube thickness = $\frac{\text{external Ø - internal Ø}}{2}$



Tubing clamps

Material: **autoclavable** acetal.
These clamps will not distort, rust or corrode.
Different positions to control flow from full open to complete closure.

code	description	bag quantity	bag weight	bag volume
19505	for tubes of 3.2 to 11 mm (15 positions)	12	0.09	0.0005
19504	for tubes of 11 to 19 mm (12 positions)	6	0.11	0.0007





«T» connectors

Material: polypropylene. **Autoclavable**.

code	fits tubing Ø mm	Ø mm* valley/crest	Ø mm interior mouth	shape	bag quantity	bag weight	bag volume
19460	6	4.5 / 5.4	2.8	T	20	0.01	0.0002
19461	8	6.9 / 7.6	4.4	T	20	0.23	0.0002
19462	10	8.7 / 9.5	6.3	T	20	0.54	0.0010

* See the scheme

121°C





«Y» and «+» connectors

Material: polypropylene. **Autoclavable**.

code	fits tubing Ø mm	Ø mm* valley/crest	Ø mm interior mouth	shape	bag quantity	bag weight	bag volume
191411	6	4.8 / 5.6	2.7	+	20	0.20	0.00018
19465	6	4.7 / 5.7	2.7	Y	20	0.12	0.00018
19467	10	8.9 / 9.9	5.5	Y	20	0.03	0.00002
19468	12	10.5 / 11.6	7.3	Y	20	0.09	0.00003

* See the scheme

121°C





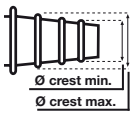
«Straight» and 3 way connectors

Material: polypropylene. **Autoclavable**. Made of one piece.

code	fits tubing Ø mm	Ø mm* valley/crest	Ø mm interior mouth	bag quantity	bag weight	bag volume
19510	4-5-6	5.5 / 4.5 / 3	2.0	20	0.16	0.00002
19512	9-8-10	11 / 9 / 6.3	4.5	20	0.06	0.00030
19513	10-11-12	13 / 10.5 / 8.3	6.5	20	0.74	0.00100

* See the scheme

121°C





Laboratory holders

Ideal for holding tubing or thermometers onto the edge of beakers or other vessels. **Autoclavable**.

code	description	bag quantity	bag weight	bag volume
19971	for tubing of up to 9.5 mm Ø Polycarbonate	6 x 6	0.13	0.0013
19972	for thermometers from 3.2 mmto 11 mm Ø Polypropylene	12 x 3	0.17	0.0018

Minimum order quantity: **19971** - 6 units
19972 - 3 units

121°C

www.laboquimia.es

Stopcock, straight bored

Ideal for liquids and gases under low pressure or low vacuum. Material: polypropylene and high density polyethylene that gives a smooth turning action requiring no lubricants. All are straight bored.

code	fits tubing Ø mm	Ø mm interior mouth	bag quantity	bag weight	bag volume
19374	8	4.9	10	0.05	0.0005
19371	10	7.0	10	0.06	0.0006

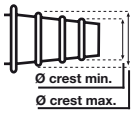


Composed Disconnectors / connectors

Material: polyethylene. Very useful for connecting rubber or plastic tubing of different diameter. Composed by two parts.
Connectors fit tightly together.

code	fits tubing Ø mm	Ø mm crest max/min	Ø mm interior mouth	bag quantity	bag weight	bag volume
19434	04-05-06	6.0 / 3.5	1.6	20	0.50	0.0010
19435	06-07-08	7.6 / 5.3	2.7	20	0.62	0.0010
19436	08-09-10	9.7 / 7.2	3.6	20	0.83	0.0003
19535	10-11-12	12.2 / 9.3	5.5	20	1.06	0.0010



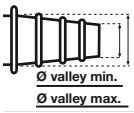


Non-return valve

Material: polypropylene.
Autoclavable.
Maximum work pressure: 2 bar (2 kg/cm^2).
Minimum work pressure: 0,07 bar, at 20 ºC.

code	Ø ext valves	Ø mm valley max/min	bag quantity	bag weight	bag volume
19418	8-9-10	10.1 / 7.8	10	0.04	0.0002





Flow indicator (1)

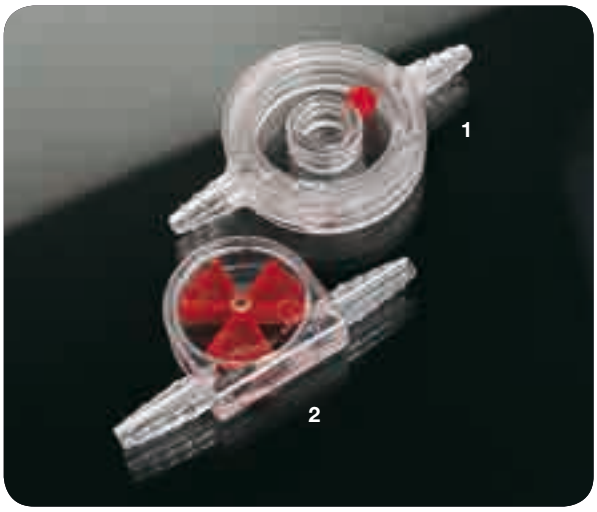
Material: SAN. Perfectly transparent.
The rotation of the red ball allows an immediate visual indication of glass or liquid flow. Very useful for connecting tubes of different diameter from 6.5 to 10 mm.

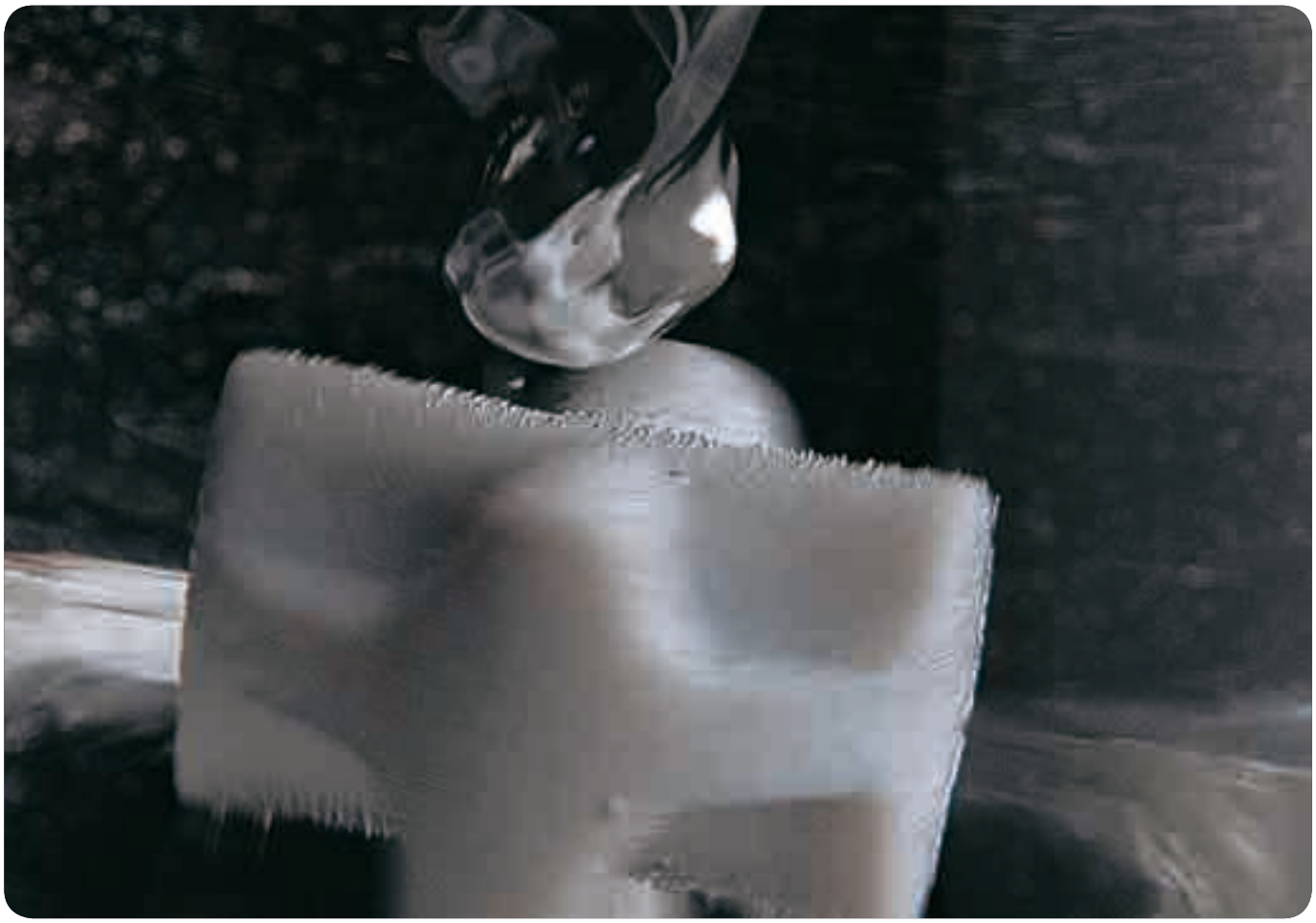
code	dimensions mm	tubing mm	bag quantity	bag weight	bag volume
19538	102 x 14 x 57	6.5-10	5	0.07	0.0002

Flow indicator-paddle wheel (2)

Material: SAN.
Not for use with corrosive fluids or temperatures over **85 ºC**.

code	dimensions mm	tubing mm	bag quantity	bag weight	bag volume
19539	90 x 15 x 40	6-11	5	0.08	0.0004





Magnetic stirring bars

This section details our vast range of PTFE magnetic stirring bars.
A variety of different sizes and colours is available.

Micro stirring bars: for use in the smallest containers.
Cylindrical stirring bars: these are the most common and lend themselves to many general applications. The diameter of the bar chosen will depend on the diameter of the flask used although it is recommended to select the largest stirring bar possible to achieve optimum results.
Octagonal stirring bars with pivot ring: ideal where the base of the container may be slightly curved or irregular.
Triangular stirring bars: these are used primarily to help dissolve solids or sediments. Also used for higher viscous liquids.
Ovoid stirring bars: used in rounded bottom or Erlenmeyer flasks.
Special shape stirring bars: cruciform stirring bars are used in round bottom tubes.

Stirring bar retriever

Polypropylene coated.
For the removal of stirrer magnets from vessels of all kinds.
Includes a magnetic tip, so it is easy to remove the magnets.

code	diameter mm	lenght mm	bag quantity	bag weight	bag volume
19919	10	300	1	0.04	0.00002



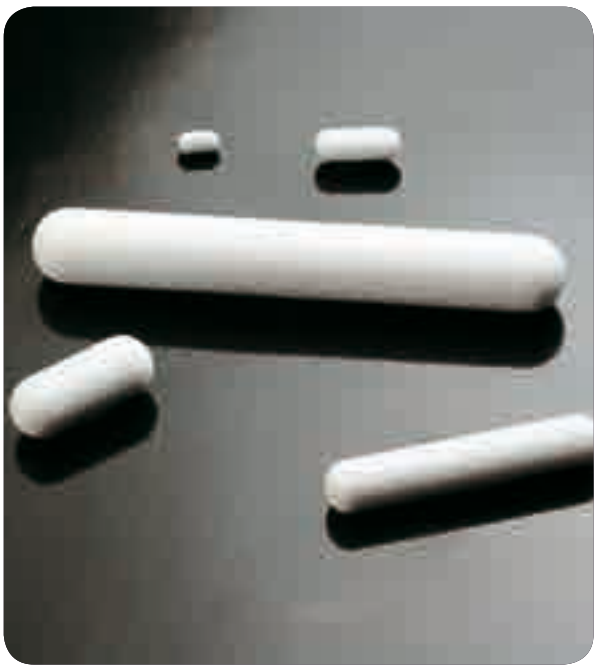
Micro stirring bars

code	diameter mm	lenght mm	quantity	weight	volume
19851	3	3	1	0.04	0.0001
19852	2	5	1	0.04	0.0001
19749	2	7	1	0.04	0.0001
19855	3	8	1	0.04	0.0001
19856	3	10	1	0.04	0.0001



Cylindrical stirring bars

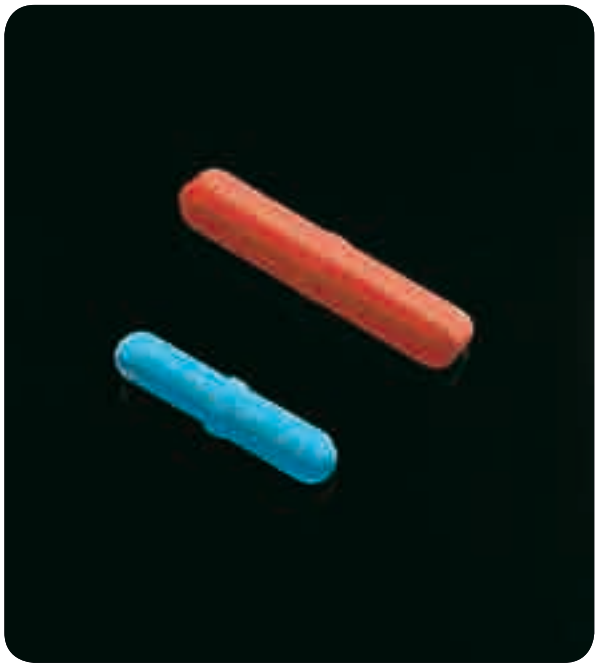
code	Ø mm	lenght mm	quantity	weight	volume
19753	3	6	1	0.04	0.0001
19748	3	8	1	0.04	0.0001
19750	4.5	12	1	0.04	0.0001
19751	6	15	1	0.04	0.0001
19756	8	20	1	0.06	0.0001
19757	8	25	1	0.06	0.0001
19758	8	30	1	0.06	0.0001
19763	6	35	1	0.06	0.0001
19764	8	40	1	0.06	0.0001
19698	8	50	1	0.06	0.0001
19705	10	70	1	0.08	0.0001





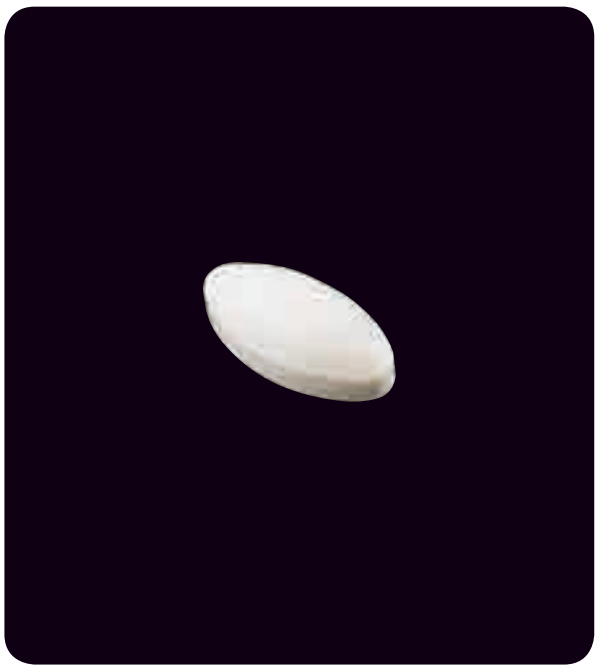
Octahedral stirring bars with pivot ring

code	diameter mm	lenght mm	quantity	weight	volume
19786	8	15	1	0.04	0.0001
19810	8	22	1	0.06	0.0001
19787	8	25	1	0.06	0.0001
19793	8	28	1	0.06	0.0001
19788	8	38	1	0.06	0.0001
19797	10	51	1	0.08	0.0001
19811	13	75	1	0.08	0.0001



Colored octahedral stirring bars

code	colour	diameter mm	lenght mm	quantity	weight	volume
19787.4	blue	8	25	1	0.06	0.0001
19788.4	blue	8	38	1	0.06	0.0001
19788.10	red	8	38	1	0.06	0.0001
19811.4	blue	13	75	1	0.08	0.0001



Ovoid stirring bars

code	dimensions mm	quantity	weight	volume
19806	50 x 20	1	0.004	0.0002

www.laboquimia.es

deltalab

Cylindrical or octahedral stirring bar assortment pack

Assorted cylindrical or octahedral stirring bars supplied in a convenient transparent plastic box including dividers for magnet classification.
Box includes 2 units of the following stirring bars:
Code 19400: (diameter x lenght in mm): 8x13, 8x15, 10x25, 10x38, 10x51 and 10x64.
Code 19400.1: (diameter x lenght in mm) 6x10, 4,5x15, 6x20, 6x25, 6x30, 8x40, 8x50, 10x60, 10x70.



code	description	quantity	weight	volume
19400	box with 12 octahedrals stirring bars	1	0.25	0.0006
19400.1	box with 18 cylindrical stirrings bars	1	0.25	0.0006

One-hand timer

60 Minute times model “Onehand” non-slip surface.
Can be rewound with one hand only.



code	description	Ø x h mm	quantity	weight	volume
19901	one-hand timer	72.5 x 29.5	1	0.24	0.0003

Digital timers

Digital timer with hours, days and months, 24 h. programme facility, 60 seconds, alarm, includes clip and small bench stand.
These digital timer count forward and down. Both include a LR44 battery.
Code **900400** includes instructions in English and German an code **900600** includes instructions in Spanish, English and French.



mod.	code	description	dimensions mm	quantity	weight	volume
1	**900600**	digital timer with 2 memories	64 x 61 x 14	1	0.08	0.0003
2	**900400**	digital timer with 1 memory	52 x 67 x 12	1	0.06	0.0003







Polyethylene wide mouth jars with lid and insert plug

High density polyethylene jars with screw cap and insert plug.
Jars and plugs are natural translucent colour; lids are black. Supplied uncapped (except sterile models, supplied capped and bagged).
Upon request, jars can be supplied individually wrapped for a minimum order of 3 cases by model, and sterile for a minimum order of 6 cases by model.
Ask for minimum quantity and delivery time for caps and jars in other colours. **Steriles by radiation** (sterile models)**.**

code	capacity ml	sterile, individual wrap	no sterile, individual wrap	Ø internal mouth mm	Ø body mm	unitary weight g	height with lid mm	alimentary use	case quantity	case weight	case volume	pallet quantity
202811	30	—	—	25	32	4.2	53		100	1.00	0.011	14.700
202810	60	—	—	38	52	8.2	48		200	3.90	0.046	8.000
202808	90	—	—	51	60	8	51	✓	150	3.90	0.046	4.800
202809	125	—	—	51	60	12	62	✓	200	6.00	0.082	4.000
202801	170	—	—	51	60	14	80		160	6.46	0.082	3.200
202802	250	—	—	54	67	20	100	✓	125	4.85	0.080	2.500
202802.1	250	yes	—	54	67	20	100		125	4.94	0.084	2.500
202802B	250	—	yes	54	67	20	100		125	5.50	0.078	2.500
202814	400	—	—	60	74	27.3	124		130	8.00	0.140	1.560
202814.1	400	yes	—	60	74	27.3	124		130	8.00	0.140	1.560
202803	500	—	—	67	80	35	131	✓	120	7.70	0.140	1.920
202823.1	500	yes	—	67	80	35	131		120	7.60	0.140	1.920
202821.1	500	—	yes	86	103	44.9	93		95	8.31	0.140	1.520
202821	500	—	—	86	103	44.9	93	✓	95	8.44	0.140	1.520

www.laboquimia.es



code	capacity ml	sterile, individual wrap	no sterile, individual wrap	Ø internal mouth mm	Ø body mm	unitary weight g	height with lid mm	alimentary use	case quantity	case weight	case volume	pallet quantity
202821.O	500	yes	—	86	103	44.9	93		95	9.20	0.140	1.520
202823	500	—	yes	67	80	35	131		120	8.60	0.130	1.920
202813	750	—	—	86	103	48	127	✓	75	4.56	0.152	900
202813.1O	750	yes	—	86	103	48	127		75	7.20	0.140	1.200
202818	1,000	—	—	86	103	56.7	157	✓	50	5.43	0.140	800
202828G	1,000	yes	—	86	103	56.7	157		50	5.66	0.140	800
202828	1,000	—	yes	86	103	56.7	157		50	5.66	0.140	800
202804	1,250	—	—	86	103	56.7	173	✓	50	6.10	0.140	800
202815	1,550	—	—	86	113	64.6	181		45	6.00	0.140	720
202815B.O	1,550	yes	—	86	113	64.6	181		45	6.00	0.140	720
202820	2,000	—	—	86	103	83.1	283	✓	35	5.12	0.140	560
202820.O	2,000	yes	—	86	103	83.1	283		35	6.10	0.140	560
202839*	2,000	—	—	105	128	73	205	✓	32	5.14	0.140	512



Polyethylene beakers

Volumes available range from 60 ml to 1,000 ml.
All models come without lid, except the 1,000 ml beaker, which is available with or without lid.
For use with liquid and solid samples. Manufactured in a flexible material for easy pouring.

code	volume ml	body Ø mm	mouth Ø mm	height mm	weight body g	case quantity	case weight	case volume
242801	60	40	50	48	5.0	1,100	5.95	0.034
242802	100	40	55	58	7.0	1,000	7.20	0.034
242803	230	55	70	78	15.5	700	10.82	0.042
242804	275	53	72	98	22.0	500	11.66	0.042
242805	500	70	90	108	35.2	200	8.50	0.045
242806	1,000	90	120	132	65.0	120	8.22	0.042
242811*	1,000	90	120	132	65.0	65	5.93	0.042

* With lid. Beaker and lid are supplied in the same bag.



Disposable cups

Disposable sample cups, for general sample collection.
Cups are supplied stacked.

code	volume ml	material	mouth Ø x height	case quantity	case weight	case volume
202248	100	polypropylene	57.5 x 62	50 x 100	7.40	0.080
202317	150	polystyrene	70 x 70	30 x 100	8.32	0.080

www.laboquimia.es



Tamper evident buckets, large capacity

Disposable containers made of polypropylene **autoclavable**. Include tight fitting and leakproof lids.
All models include a sturdy and convenient white plastic handle for easier carrying.
Buckets are supplied with lid apart. Made with materials suitables for alimentary use.

code	capacity l	Ø ext. lid mm	Ø int. mouth mm	height whitout lid mm	*body weight g	case quantity	case weight	case volume
222802	3	200	184.00	138.00	105.00	80	9.00	0.140
222803	4.5	225	210.00	156.00	134.00	48	10.46	0.140
222804	5.6	225	211.00	194.00	152.00	45	10.79	0.140
222805	10.6	268	251.00	263.00	314.00	20	8.39	0.140

* Weight with no lid.

Jars with lid

Body and lid in white **autoclavable** polypropylene.
Self sealing security lid.
Made with materials suitables for alimentary use.
Code **241014** embodies a plastic handle.
Jars are supplied uncapped.
Cases per pallet: 24, excepting code **241010**, palletized in 40 cases.

code	nominal capacity ml	Ø int. mouth x Ø base x height without lid mm	*weight g	case quantity	case weight	case volume
241010	250	84 x 79 x 61	13	150	3.04	0.042
241011	550	107 x 98 x 79	24	250	5.01	0.103
241013	1,000	107 x 94 x 144	36	150	7.31	0.082
241014	1,560	135 x 118 x 138	48	150	4.42	0.130

* Weight with no lid.





Buckets with spout

Natural low density polyethylene buckets with a stainless metal handle. Include a spout for easier pouring.
Moulded-in raduations. Very sturdy construction.
These buckets may be printed with your name and logo.

code	capacity l	dimensions mm	quantity	weight	volume
19905	9	270 x 200 x 250	1	0.58	0.014
19906	12	300 x 220 x 280	1	0.70	0.018
19907	15	340 x 250 x 310	1	0.85	0.026

The specified data may vary when changing to new models.



Industrial jugs

Made of thick rigid polyethylene. Natural colour.
Recommended for industrial use.
Made with materials suitables for alimentary use.

code	capacity l	mouth Ø mm	height mm	weight ut. g	case quantity	case weight	case volume
470007	5	190	240	400	5	1.86	0.030



Round jugs with handle

Polypropylene. **Autoclavable** to **121 ºC.**
Made with materials suitables for alimentary use. Moulded-in graduations

code	capacity l	graduation ml	Ø mm	height mm	case quantity	case weight	case volume
470000	0.5	25	80	120	60	4.40	0.066
470001	1	50	125	140	48	4.60	0.086
470002	2	50	155	180	36	6.40	0.110
470003	3	100	165	180	27	7.10	0.130
470005	5	250	185	230	12	5.00	0.106

Minimum order quantity: 1.



Self sealing security jars

Excellently finished, body in **autoclavable** polypropylene.
Screw cap in high density polyethylene with strips. Security sealing with tag for easy opening.
Tamper evident system. External moulded ring. Made with materials suitables for alimentary use.
Smooth internal side. Each jar specifies on its bottom its capacity, and the material it is made of. Supplied uncapped.

code	volume ml	max. body Ø mm	base Ø mm	height Ø mm	lid external Ø mm	weight ut. without lid g	case quantity	case weight	case volume
202911N	100	55.8	50.0	59.1	56.0	15.0	150	3.40	0.042
202912N	250	71.8	65.0	83.4	72.0	23.3	115	4.80	0.082
202913N	350	94	87.7	68.0	96.0	27.0	80	3.64	0.082
202914N	500	94	87.7	105.3	96.0	36.0	110	6.27	0.140
202915N	1.000	111.6	110.8	123.8	111.8	62.0	60	7.13	0.140
202916N	1.250	111.6	110.8	153.0	111.8	73.0	45	5.32	0.140



Square containers with star-shaped caps

Colour: translucent white.
Containers and insert plugs made of high density polyethylene. Star-shaped screw caps made of polypropylene.
Tagging points on neck and cap for a tamper proof closure or for labeling.
All models have moulded-in graduations. Made with materials suitables for alimentary use.
Containers are supplied plugged and capped. Not recommended for liquids transport.

code	capacity ml	graduation each ml	dimensions mm	neck Ø mm	body weight g	case quantity	case weight	case volume	pallet quantity
444608	25	12.5	32 x 34 x 52	18	6	500	6.60	0.090	12.000
444609	50	10	38 x 38 x 70	23	15	400	7.50	0.074	9.600
444610	100	20	42 x 48 x 90	33	22	600	18.20	0.195	9.600
444611	250	50	57 x 60 x 110	33	32	300	13.80	0.195	4.800
444612	500	100	70 x 80 x 138	44	55	150	10.50	0.192	2.400
444613	1.000	100	80 x 103 x 176	58	97	80	11.16	0.173	1.280
444614	2.000	100	100 x 134 x 210	58	177	40	9.16	0.170	640



Wide neck containers with star-shaped cap

Made of high density polyethylene. Natural colour.
Cylindrical container featuring a star-shaped screw cap.
Tagging points on neck and cap for a tamper proof closure, or for labeling.
Containers are supplied non capped. Made with materials suitables for alimentary use.

code	volume ml	internal mouth Ø mm	body Ø mm	height without lid mm	body weight g	case quantity	case weight	case volume	pallet quantity
44430000	125	29.5	52	103.5	18	100	3.00	0.045	4.000
44440000	250	37	65	128	24	120	5.20	0.080	2.880
44450000	500	47.4	82	152	40	60	4.32	0.080	1.440
44460000	1,000	59.4	102	183.2	90	55	7.49	0.140	880
44470000	2,000	59.4	123.5	244.5	128	30	5.75	0.140	480





Wide neck graduated containers with star-shaped cap

Colour: translucent white.
Bottles and insert plugs made of high density polyethylene.
Star-shaped screw caps made of polypropylene.
Tagging points on neck and cap for a tamper proof closure.
Sloping shoulders for easy pouring.
Bottles are supplied plugged and capped.

code	volume ml	graduation ml	internal mouth Ø mm	body Ø mm	height mm	body weight g	case quantity	case weight	case volume	pallet quantity
19408	50	10	24	40	75	13.20	100	1.65	0.019	9.600
19409	100	20	24	50	90	18.30	100	2.37	0.027	8.400
19410	250	25	34	60	125	35.80	50	2.16	0.037	3.600
19411	500	50	34	75	160	50.70	20	1.20	0.024	1.120
19412	1,000	100	45	95	200	92.20	20	1.95	0.046	960

www.laboquimia.es

Bottles with standard, narrow neck

Bottles made of **autoclavable**, natural colour polypropylene. Hermetical closure.
Easy opening and closing caps thanks to its size. Gripped, in order to ease its usage with gloves. Cap and body with holes for sealing or labeling.
Neck and cap with vents.
Graduation: 100 ml model, every 20 ml; 250 ml, every 25 ml; 500 ml and 1,000 ml, every 100 ml.

code	volume ml	neck DIN	mouth Ø mm	body Ø mm	height mm	body weight g	case quantity	case weight	case volume
191597	100	GL18	13	48	106	18.5	100	1.82	0.032
191601	500	GL25	19	75	180	49.3	150	9.00	0.180
191603	1,000	GL32	23	95	222	100.9	80	8.80	0.180



Bottles with standard, wide neck

Wide neck bottles made of **autoclavable** polypropylene, or polyethylene (not autoclavable).
Body and caps in natural colour. Hermetical closure.
Easy opening and closing caps thanks to its size. Gripped, in order to ease its usage with gloves.
Neck and cap with vents. Graduation: 100 ml model, every 20 ml; 250 ml, every 25 ml; 500 ml, 1,000 ml, and 2,000 ml, every 100 ml.



Made of polyethylene, not autoclavable:

code	volume ml	neck DIN	mouth Ø mm	body Ø mm	height mm	body weight g	case quantity	case weight	case volume
191610	100	GL32	24	48	103	25.7	100	2.78	0.036
191612	250	GL45	38	60	140	39.2	5 x 50	2.06	0.180
191614	500	GL45	38	75	168	55.9	5 x 25	9.30	0.180
191616	1,000	GL63	55	95	206	109.3	68	9.30	0.180
191618	2,000	GL63	55	120	249	145.2	30	6.30	0.180

Made of polypropylene, autoclavable:

code	volume ml	neck DIN	mouth Ø mm	body Ø mm	height mm	body weight g	case quantity	case weight	case volume
191623	100	GL32	24	48	103	26.6	100	2.98	0.038
191625	250	GL45	38	60	140	40.8	250	12.40	0.180
191627	500	GL45	38	75	168	56.5	125	8.50	0.180
191629	1,000	GL63	55	95	206	100.2	68	8.84	0.180
191631	2,000	GL63	55	120	249	175.5	30	6.30	0.180





Graduated narrow neck bottles

Made of transluscent polyethylene.
Designed for the storage of acids and bases. Include a ribbed screw cap for a better handling, and an insert plug.
Feature sloping shoulders for easy pouring.
Tagging points on neck and cap for a tamper proof closure and for labeling.
Bottles have the following moulded-in graduations: code **19317**, every 10 ml; **19319**, every 20 ml; **19323**, every 25 ml, **19324**, every 50 ml, **19325** and **19326**, every 100 ml.
Supplied capped.

code	volume ml	neck Ø mm	bottom Ø mm	height mm	case quantity	case weight	case volume
19319	125	18.5	46	107	6 x 100	15.48	0.151
19323	250	23	60	131	6 x 50	12.78	0.151
19324	500	23	74	157	6 x 25	9.00	0.195
19325	1,000	33	94	205	4 x 20	9.00	0.187
19326	2,000	33	112	266	2 x 20	8.40	0.151

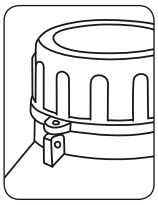


Graduated narrow neck opaque bottles

Opaque cylindrical bottles made of dark grey polyethylene, designed for the storage of light sensitive liquids or solid substances. Include a black screw cap and an insert plug for a positive leakproof seal.
Ribbed caps for a better handling.
Heavy duty bottles, with sloping shoulders for easy pouring.
Tagging points on neck and cap for a tamper proof closure. Body and cap with holes for sealing or labeling.
Supplied capped.

code	volume ml	neck Ø mm	bottom Ø mm	height uncapped mm	case quantity	case weight	case volume
193241	500	23	75	157	6 x 25	9.00	0.195
193251	1,000	33	95	208	4 x 20	9.70	0.192

Minimum order quantity: 1 bag.





Narrow neck, high resistance bottles

Bottles made of translucent, white, high density polyethylene, designed for the storage of acids and bases.
Blue screw cap on a combination of high and low density polyethylene. Screw caps are ribbed for a better handling.
Sloping shoulders for easy pouring. Heavy duty bottles.
Supplied uncapped.

code	volume ml	neck Ø mm	bottom Ø mm	height mm	case quantity	case weight	case volume
44260000	250	30	67	157	90	4.90	0.076
44270000	500	30	79	176	70	4.86	0.076
44280000	1,000	30	96	211	50	6.70	0.110



See page 251

Tamper evident, polyethylene bottles

Translucent cylindrical bottles made of high density polyethylene with PP screw cap and LDPE insert plug, designed for the storage of alcohol.
Caps are ribbed for a better handling while working with gloves. Insert plugs are dispensed pierced. Tamper evident cap.
No graduation. Supplied uncapped.

code	capac. ml	int. neck Ø mm	bottom Ø mm	height mm	body weight g	case quantity	case weight	case volume	pallet quantity
292300	75	19	39.4	97.6	8	220	2.92	0.042	6,160
292304	250	19	58	128	18	80	2.10	0.044	3,200
292305	500	19	73	160	31	100	4.30	0.107	1,200
292306	1,000	19	82	230	46	60	5.00	0.110	720



Tamper evident bottles, tall models

Translucent cylindrical bottles made of natural colour low density polyethylene, with blue tamper evident closures.
Caps are ribbed for a better handling while working with gloves.
Bottles specially designed with tamper evident rings to ensure a positive seal.
Bottles are supplied uncapped.
To fully seal them, screw cap in a normal way and then screw again to fully position the tamper evident ring. To open, unscrew cap.
The ring, automatically broken, will remain on the neck of the bottle.

code	capac. ml	body Ø mm	neck Ø mm	height mm	body weight g	case quantity	case weight	case volume	pallet quantity
282303	125	48	37	105	16.2	125	3.10	0.045	5,000
282304	250	59	37	129	21.9	75	2.48	0.045	3,000
282305	500	66	37	200	35.0	100	4.98	0.100	1,600
282306	1,000	87	37	230	52.0	60	4.22	0.140	960



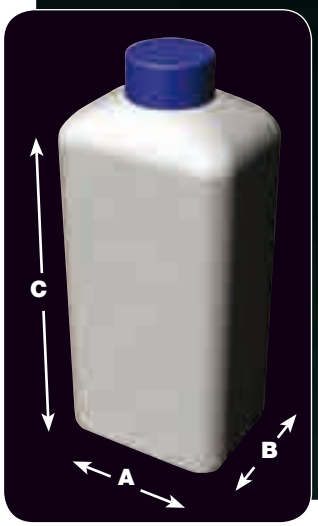
Screw cap containers with seal and dropper

Made of white polypropylene.
White watertight screw closing system with dropper-plug and blue security seal. Hermetical closure. Mouth diameter: 10.2 mm.
Supplied uncapped.

code	volume ml	Ø base mm	height mm	body weight g	case quantity	case weight	case volume	pallet quantity
53020	20	24.6	65	3.50	2,000	12.70	0,112	32,000
53125	125	42.2	134.7	15.50	275	5.88	0,114	4,400
53250	250	50.8	167.3	21.50	200	5.95	0,100	3,200



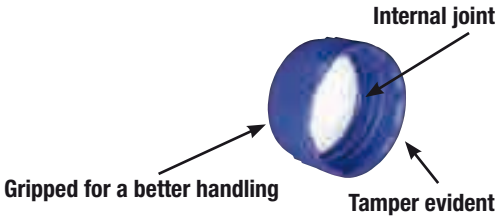






Rectangular bottles

Body and cap made of polyethylene.
Bottles with blue screw caps, including seal ring and internal joint.
Tamper evident system.
Body in natural colour, graduated (moulded):
250 ml model, graduated each 50 ml.
500 and 1,000 ml models, graduated each 100 ml.
Supplied uncapped.



code	volume ml	internal mouth Ø mm	dimensions (A x B x C) mm	weight g	case quantity	case weight	case volume	pallet quantity
292819G	250	30.3	58 x 58 x 115	21	210	5.90	0.096	3,360
292820G	500	30.3	77 x 77 x 130	35	153	9.70	0.140	2,448
292821G	1,000	30.3	96 x 75 x 184	62	85	6.41	0.140	1,360

Nozzle bottles

Cylindrical bottles with screw caps, made of high density polyethylene, with a narrow nozzle design. Natural colour.
Cut the nozzle tip with scissors before liquid dispensing.
No graduation.
Bottles and caps are supplied in separated bags.

code	volume ml	neck Ø mm	bottom Ø mm	height mm	case quantity	case weight	case volume
272301	50	20	35	75	160	2.10	0.027
272303	125	20	48	100	135	2.52	0.045
272304	250	20	59	143	75	2.24	0.047



www.laboquimia.es



Squared bottles

Bottles with screw cap and insert plug, made of polyethylene.
Bottles and insert plugs are white (transluscent), caps are red.
Ribbed caps for a better handling when using gloves.
Supplied capped.

code	volume ml	mouth Ø mm	dimensions mm	weight g	case quantity	case weight	case volume	pallet quantity
292818	150	37	50.5 x 50.5 x 88	15	300	8.40	0.096	4,800
292819	250	37	58 x 58 x 103	21	210	6.00	0.096	3,360
292820	500	50.5	77 x 77 x 116	35	165	8.18	0.140	2,640
292821	1,000	50.5	96 x 75 x 172	62	90	7.00	0.140	1,440

Polyethylene bottles

Rectangular body and cap made of polyethylene.
The smaller sides are gripped for a better handling.
The bigger sides are flat for labelling.
Self-sealing blue cap with internal security ring.
Hermetical closure. Tamper evident system.
Supplied uncapped.

code	volume ml	dimensions mm	int. mouth Ø mm	body weight g	case quantity	case weight	case volume	pallet quantity
282310	500	83 x 65 x 135	28	40	123	5.53	0.11	2,460
282311	1,000	83 x 65 x 235	28	61	73	4.93	0.11	1,460





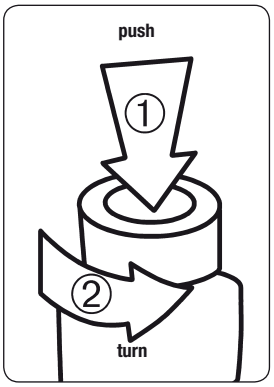
See sterile models on Chapter 1. **Microbiology**



Drum with screen and childproof cap

Made of white colour high density polyethylene.
They embody a handle and a graduated screen which allows the user to see the content.
Childproof, tamper evident, ribbed screw cap with insert plug (see how to use a childproof cap in page 164).
Made with materials suitables for alimentary use.
Drums are supplied non screwed.
Dimensions: 133,8 x 192,5 x 391 mm

code	capacity l	total cap.ml	Ø int. mouth mm	body weight g	case quantity	case weight	case volume	pallet quantity
202505	5	5,260	34.5	170	16	3.25	0.14	256





Cylinder with handle

Made of polypropylene.
The handle provides a secure, solid grip for superior control, specially when handling large volumes.
Pouring is safer and more convenient, as the cylinder is specially designed to ensure a total liquid delivering. 89 x 29 mm hand opening for easy handling.
Hexagonal base to prevent tipping and rolling.
Accurate and easy to read graduated double scale on the cylinder. **Autoclavable** at **121 ºC**.

code	volume l	graduation ml	height mm	bottom Ø mm	Ø cylinder int. mm	Ø cylinder ext. mm	quantity	weight	volume
191578	1	10	440	146	59	64	1	0.62	0.020
191579	2	20	490	161	81	87	1	0.56	0.020



Stackable drums with tamper evident caps

Made of natural colour high density polyethylene. They embody a **handle** and a **tamper evident**, ribbed screw red **cap**, made of HDPE, with internal joint and internal security ring.
Hermetical closure when the cap is totally screwed.
ONU ADR compliant. Drums and caps are supplied non screwed.

code	capacity l	total capacity ml	minimum wall tickness mm	dimensions mm	quantity	weight	volume	pallet quantity
206020	20	20,900	1.20	242 x 298 x 365	1	1.00	0.028	48
206025	25	25,550	1.20	242 x 298 x 443	1	1.14	0.028	48



Wide mouth drums with security cap

Made of high density polyethylene.
Translucent natural color.
Self-sealing green screw cap in polyethylene, with white insert plug.
It features a black folding handle.

code	capacity l	Ø external body mm	Ø internal mouth mm	height mm	quantity	weight	volume	pallet quantity
202616	5	169	105	288	1	0.28	0.0088	256



Stackable drum with tamper evident screw cap

Made of high density polyethylene.
Made with materials suitables for alimentary use.
It is provided with a sealing screw cap with grip.
This drum has four flat sides suitable for sticking information labels.
They are distinguished by two main characteristics: they can be easily stacked joining the tops and the bottoms together, and they can be palletised thanks to their reduced overall dimensions.
All of them are **ONU ADR** compliant, meeting all the standards for the transport of hazardous, toxic and noxious products.

code	nominal capacity l	total capacity l	dimensions mm	Ø mouth mm	DIN	quantity	weight	volume	pallet quantity
202605	5	5.5	198 x 148 x 240	44	51	1	0.27	0.007	200
202610	10	11.6	224 x 193 x 305	44	51	1	0.47	0.017	100
202620	20	21.7	245 x 295 x 375	44	51	1	0.90	0.027	48
202625	25	26.9	245 x 295 x 435	44	51	1	1.10	0.031	48
202630	30	34.5	332 x 290 x 428	49	51	1	1.26	0.036	36



Storage bottles

Bottles and caps made of high density polyethylene.
Wide neck bottle (natural colour, translucent) with screw cap (black and blue). It features a double cap: it includes a blue internal cap that works as a plug.
Ribbed cap for a better handling.
Bottles include a sturdy aluminium handle for easy carrying.
Not suitable to transport liquids.

code	capacity l	mouth Ø mm	body Ø mm	height mm	unitary weight g	case quantity	case weight	case volume	pallet quantity
202825	5	100	175	275	190	14	4.90	0.14	224
202826	10	100	215	340	380	6	4.50	0.14	96

Drums with tap

Made of high density polyeythylene. Excepte code **19375** is made of polypropylene.
Heavy duty drums, wall thickness 2 mm.
Can be used at temperatures below 0 ºC.
The tap includes a seal ring to ensure a leakproof seal.
Each drum includes a screw cap and a plug for added security.
With two handles for easy transport.
Drums are supplied complete with tap (also available spare tap).
The codes **19660** and **19662** are made with materials suitables for alimentary use.

code	capacity l	Ø neck mm	Ø base mm	height mm	quantity	alimentary use	weight	volume
19660	5	52.5	165	345	1	✓	0.85	0.019
19662	10	52.5	210	425	1	✓	0.50	0.016
19664*	25	79.5	280	565	4		1.44	0.043
19666*	50	79.5	350	700	2		2.40	0.085
Spare tap:								
19375	–	–	–	–	1		0.005	0.0001

*Minimum order quantity: 1.





Wide and narrow neck drums

Heavy duty drums made of high density polyeythylene.
Include an insert plug for a positive leakproof seal, and one handle for easy carrying.
Tagging points on neck and cap for a tamper proof closure or for labelling.
Wide mouth drums are designed both for liquids and powders, easy to fill and pour.
Made with materials suitables for alimentary use.

Wide neck bottles (1)

code	capacity l	Ø neck mm	Ø body mm	height mm	quantity	weight	volume	pallet quantity
191640	5	90	165	305	1	0.43	0.009	200
191642	10	120	210	395	1	0.90	0.014	90

Narrow neck bottles (2)

code	capacity l	Ø neck mm	Ø body mm	height mm	quantity	weight	volume	pallet quantity
191644	5	43	163	330	1	0,45	0.012	200
191646	10	53	210	420	1	0.85	0.015	90





Wide mouth storage drums with tap and plug

Body and cap made of polyethylene.
Screw cap with non hermetical plug.
Using Teflon at thread tap is recommended to ensure a complete sealing.
They embody a tap, and two black folding handles at the top.
Not designed to transport liquids.
External mouth diameter: 150 mm.

code	capacity l	Ø base mm	height mm	quantity	weight kg	volume
209030	30	355	457	1	1.51	0.059
209050	50	355	675	1	2.35	0.084



Large deep trays

Made of natural high density polyethylene.
Stackable. Include ergonomically designed handles.

code	dimensions mm	height mm	tray volume l	quantity	weight kg	volume
19603	550 x 430	310	50	1	1.76	0.069
19604	630 x 440	340	65	1	3.00	0.090
19605	720 x 470	360	90	1	4.50	0.120



Funnels

Material: polypropylene.
Autoclavable.

code	stem internal Ø mm	stem external Ø mm	bouche mm	quantity	weight	volume
194172	9.1	11.7	100	1	0.03	0.0005
194175	13.9	18.2	180	1	0.09	0.0013
194176	18.5	21.8	220	1	0.17	0.0028
194177	21.7	26.4	260	1	0.29	0.0081
194178	24.7	29.7	300	1	0.37	0.0110

www.laboquimia.es



Industrial drums

These drums are produced in high density polyethylene Their particular top, which has a **perfectly stiffened rim obtained** during the moulding phase, prevents the opening from becoming deformed and the lid from becoming detached as a consequence of any drops or violent shocks.
They feature a metal washer that ensures a perfect closure where is also suitable to place a tamper evident seal.
Thanks to their **airtight seal,** they are **suitable for transport by sea, road or railway** and, thanks to their construction characteristics and qualities; they **fully meet the current ONU ADR standards** for **transport of hazardous products.**
Incinerable (excluding the metal closure).
These drums are produced using selected top-quality raw materials, they feature excellent drop-impact resistance even at low temperature (–20 °C) and stability against corrosion from chemical agents which may cause stress cracking.
Their **internal surface is perfectly smooth,** and this makes it easy to fully empty and completely clean the inside from any powder, paste or semi-dense products.
All references have two handles for easy carrying except code **208128**.
Made with materials suitables for alimentary use.

code	capacity l	body Ø mm	mouth Ø mm	height mm	alimentary use	quantity	weight kg	volume	pallet quantity
CYLINDRICAL DRUMS									
208030	30	320	252	502	✓	1	2.50	0.08	48
208060	60	405	327	610	✓	1	3.02	0.15	27
208128	120	480	400	800	✓	1	5.48	0.30	18
RECTANGULAR DRUMS									
208031 NEW	30	285	285	52	✓	1	1.89	0.33	100
208061 NEW	60	360	360	62	✓	1	2.99	0.78	48



The technical data (dimensions, capacities and resistances) specified in this catalogue are approximated.
The resistances (to chemical products, temperature, centrifugation...) may suffer variations depending in external conditions.
We recommend to test the product under the forecasted conditions of use. Please do not hesitate to ask for samples if necessary.



INDEX

Description	page
A	
ABS trays	267
Absorbent paper	252
Accesories Wilmut	231-232
Acetal polymer racks	214
Adhesive labels	248
Adhesive sealing film	62
Adhesive tapes for sample identification	248
Alcohol pads	246
Aluminium racks	219
Aluminium sealing foil	62
Amies. Deltaswab	24
Amies. Swab	21
Analytical funnels	260
Anticoagulants and preservatives in containers	79
Autoclave resistant bags	114
Autoclave resistant red bags	247
Automatic slide dispenser	106
AYRE spatula	115
B	
Bags for Autoclave	247
Baskets for autoclave	225
Baskets with folding handles	224
Beakers	83, 258, 259
Bed pan	253
Blood group test plate	76
Blood collection tubes	77
Bottle carrier with folding handlers	224
Bottles	116, 247, 251, 269, 287, 288, 290
Büchner funnels	261
Buckets	284
Burette clamps	262
C	
Canes for cryovials	145
Capillary tubes sealing wax	80
Caps for screw thread microtubes	50, 51, 142, 143
Caps for tubes	145
Caps for vials	135
Caps, polyethylene	231
Cardboard waste containers	245
Cary Blair. Swab	22
Cary Blair. Deltaswab	25
Cassettes	89-93
Centrifugation tubes	37, 129
Chlamydia	23
Citrate for coagulation	69

Description	page
Cuvette segments. Cobas Mira	82
Colour coded inserts	144
Connectors	272, 273
Conical flasks	259
Conical tubes	40, 117, 124, 130, 222
Contact plates	31
Containers	87, 114, 148-156, 160, 161, 165
Containers, security screw cap	87, 160, 164,
Containers and tubes for vacuum system	158
Coplin type staining jar	102
Coulter counter cups	82
Cover slides	97
Cryoboxes. Wilmut	231
Cryogenic storage boxes	233
Cryoinstant porous beads	33, 141
Cryovials	144
Culture tube cap	132
Culture tubes	36, 128
Cups	157, 164, 282
Cylinders	256, 292
Cytology brush	115
D	
Deltaswabs	24-26
Dessicator	239
Dessicator discs	239
Digralsky spreader.	34
Drums	292, 293, 295, 296
E	
E.S.R.	74, 75
Edta	73
Emergency eyewash bottle	249
Enrichment media. Deltaswab	26
Erlenmeyer flasks	257
F	
Fast read plate	82, 157
Filter bag	44
Filter paper	252
Flask weight ring	264
Flocked swab with media	24
Flow indicator	273
Forceps	896, 113
Freezing cardboard storage box	202
Funnel holders	262
Funnels	260, 296

www.laboquimia.es

deltalab

Description	page
G	
Glass dessicator	239
Glass tubes	132
Glass tubes, round bottom	133
Glass tubes, screw threaded	134
Gloves	114, 254, 255
Glucose solution for oral administration	69
H	
Haematological stains	80
Handrop Digital - MC	187
Handrop Digital - SC	187
Handrop Stepper	187
Histology mould	88
Homogenisers	44
Hospital swabs	250
I	
IMHOFF sedimentation cone	261
Incubation rack	206
Industrial drums	297
Industrial jugs	284
Instrument trays	224
Iodoacetate lithium + heparin lithium tubes	72
Isofreeze racks	205, 206
Isothermal bags	116
J	
Jar for anaerobes incubation	30
Jars for water sampling	46
Jars with lid	86, 283
L	
Laboratory holders	272
Laboratory storage cabinet	95
Large deep trays	296
Lids for cassettes	89
LIM Broth. Deltaswab 26	
Lithium heparin tubes	72
Long-handled dippers	45
Loops	35
K	
Kangaroo bags	112
M	
Macrotips	182-184
Mailing container	76, 113
Measuring cylinders	256
Measuring scoops	266

Description	page
Media for Chlamydia. Swab	23
Media for virus. Swab	23
Mega cassettes	93
Metal cryoracks	233
Metal tray histology	88
Micropipettes	188
Microscope slide boxes	106
Microscope slide labels	98
Microtitre plates	32
Microtubes	136-140
Microtubes, Beckman®	136
Microtubes, screw cap 50, 142	
Microtubes, screw thread 50, 51, 142, 143	
Microtubes, tamper evident	143
Microtube racks	203, 210
Modular storage drawers	94, 95
Mounting medium for microscopy	98
N	
Nichrome loops microincinerator	238
Nichrome wire loops	34
Non graduated serological pipettes. Sterile	192
Non sterile cryovials with external threads	145
Non sterile swabs	17
Non-return valve	273
P	
Paraffin	88
Pasteur pipettes	195
PCR plate	59, 60
PCR racks	205, 208
PCR tubes	53, 54, 56
PCR sealing mat	62
PCR workstations	208
Petri dishes	28, 29
Petri dish rack	31
Petri dish baskets	30, 227
Pickers W-PICKER	232
Pipettes Pasteur	188-192
Pipette and burette rinsing set	264
Pipette, NICHIPET	186
Pipette pump support rack	250
Pipette pumps	42, 194, 250
Pipette rack	210
Pipette stand	263
Pipette trays	192
Pipetting bulb	42, 194, 195, 248, 250
Pipetting bulbs	195

INDEX

Description	page
Pipetting reservoir	181
Plastic tray for blood collection tubes	226
Plates	56, 60, 61, 63
Plate rack	31
Polycarbonate rack for cryovials	198, 199
Polyethylene beakers	282
Polyethylene bottles	291
Polyethylene caps	125
Polyethylene jars	86, 280
Polystyrene racks for cryovials	198
Polypropylene tubes	120-123
Powder funnels	261
PVC antiacid trays	267
PVC Pipette tray	267
R	
Racks	200-204, 207, 209-217, 233, 265
Rack for PCR	209
Rack for sedimentation cones	261
Racks for bags	227
Racks for containers	135, 152, 221-223
Re-caps	125
Rectangular base for burettes	262
Rectangular bottles	290
Rectangular containers	159, 162
Rectangular waste containers (PP)	245
Reticulocyte staining kit	79
Reversible racks	204
Ritips®	185
Rotary pipette stand	263
Round baskets with handle	225
Round incubation racks	206
Round jugs with handle	284
S	
Safety containers	242, 243, 244
Safety glasses	249
Safety gloves	253
Safety labelling	243
Sample cups	82, 83
Sample storage system	64, 65
Scintillation vials	83
Screw cap containers	289
Sedirate micro system	74
Selenite. Deltaswab	26
Self sealing security jars	285
Serological pipettes	41, 193
Serotub, serum glucose	69

Description	page
Serum tubes	70, 71
Shakers	236, 237
Silicone sheets	270
Silicone tubes	270
Silicone tourniquet	68
Slides	97
Slides, baskets 102, 227	
Slides, boxes	105, 106
Slides, cylindrical mailer	105
Slides, mailers	104, 114
Slides, storage	107
Slides, trays	103
Slides, tube mailer	104
Spatulas	266
Specimen transport, kangaroo bags	112
Spectrophotometer cuvettes	81
Sponge for cassettes	88
Square baskets	225
Square containers	285
Squared bottles	291
Squared containers, 117, 163	
Stackable drum with tamper evident	293, 294
Stackable Petri dish incubation tray	32
Stacking PCR work up rack	209
Staining jars	100-102
Staining racks	100-102
Staining tray	98
Stainings racks for microscope slides	227
Stainless steel basket for blood collection	226
Stainless steel racks	218-220
Stainless steel water still	238
Stains	99
STAR FROST® slides	96
Sterile bags for STOMACHER® blenders	43
Sterile bottles for water sampling	47
Sterile swabs	18, 19
Sterilization indicator tapes	246
Stirring bars	274-276
Stopcock, straight bored	273
Storage bottles	294
Storage box	94
Storage cabinet	94
Storage rack	65
Stuart swabs	22
Suface Kit	27
Swabs	16, 19, 20, 52, 114
T	
Tamper evident bottles	289

www.laboquimia.es

deltalab

INDEX

Description	page
Tamper evident buckets	86, 283
Test tube baskets	210
Thioglycolat. Desltaswab	26
Timers	277
Tips	168-180
Tongue depressors	252
Transport swabs with media	20
Tubes	77, 120-123, 129, 231
Tubes, conical	38, 39, 131
Tubes, round bottom	36
Tubes, edta. Dipotassium	73
Tubing clamps	271
U	
Urine collection bottle with lid	253
Urine collection bottle	253
Urine container set	157
V	
Vacuum collection	159
Vacuum pump	264
Vaginal speculum	115
Vortex	236
Vials	135
ViCUM®. Deltaswab	25
Virus. Deltaswab	25
Volumetric flasks	257
W	
Wash bottles	251, 269
Watch glasses	268
W-Coat	233
Weighing bottles	267
Weighing dishes	268
Whirl-Pak® blender bags	43
Whirl-Pak®sample bags	110-112
Whirl-Pak bags	45
Wash bottles	251, 269
Wilmut Eco (W-ECO)	231
Wilmut Seroteca (W-SER)	231
Z	
Zip-lock bags	112

Description	page

INDEX

Code	page
1000LG	255
1000LM	255
1000LP	255
1000LSP	255
1020LG	255
1020LM	255
1020LP	255
1164	75
120002	252
120003	252
120010	252
122000	44
128030	76
1360	75
1361	75
141746	82, 157
15001	43
15003	43
15004	43
15005	44
15006	43, 227
15007	43, 227
15008	44
162005	182
182289F	157
182294F	157
191050	246
191051	246
191052	246
191055	261
191056	261
191057	266
191058	266
191059	266
191060	266
191062	266
191063	266
191064	266
191065	266
191066	266
191067	266
191068	266
191069	266
191070	266
191071	266
191087	102
191100	100
191101	100
191104	101
191105	101
191106	101
191107	101
191108	101
1911103	268
1911104	268
1911105	268
1911106	268
1911107	268

Code	page
1911108	268
1911109	268
1911110	268
1911111	268
1911112	268
1911113	268
1911114	268
1911115	268
191219	264
191220	248
191221.1	248
191221.2	248
191221.3	248
191221.4	248
191221.5	248
191221.6	248
191221/1	248
191221/2	248
191221/3	248
191221/4	248
191221/5	248
191221/6	248
191222	246
191223	246
19139	262
191395	264
19140	262
191411	272
191461	257
191462	257
191463	257
191464	257
191465	257
19147	260
19148	260
191484	257
191485	257
191486	257
191487	257
191488	257
191489	257
19150	260
19152	260
19153	260
191537	259
191578	292
191579	292
191597	287
191601	287
191603	287
191610	287
191612	287
191614	287
191616	287
191618	287
19162	260
191623	287
191625	287

Code	page
191627	287
191629	287
191631	287
191633	251
191633	269
191634	251
191634	269
191637	251
191637.04	251, 269
191637.06	251, 269
191637.10	251, 269
191638	251
191638.04	251, 269
191638.06	251, 269
191638.10	251, 269
19164	260
191640	295
191642	295
191644	295
191646	295
19166	261
19167	261
19168	261
19169	261
19172	260
191720	258
191721	258
191722	258
191723	258
191724	258
191725	258
191726	258
191727	258
19173	260
19174	260
19175	260
191822	258
191823	258
191824	258
191825	258
191826	258
191827	258
191828	258
191829	258
19194	195
19195	195
19200	42, 195, 250
19201	42, 194, 248
19212	265
19213	265
19215	264
19217	264
19218	264
19219	264
19221	264
19230	239
19232	239
19235	239

Code	page
192470	264
192471	264
192472	264
192503	82
19252	192, 267
19254	263
192562	256
192563	256
192564	256
192565	256
192566	256
192567	256
192572	256
192573	256
192574	256
192575	256
192576	256
19262	263
19265	263
19266	262
19267	262
19269	262
19270	253
19274.5	107
19274.7	107
19276.1	106
19276.A	105
19276.B	105
19277	106
19277.1	106
19277.B	105
19278	106
19278.2	106
19278.3	106
19278.A	105
19278.B	105
19279.3	107
19279.5	107
19279.7	107
19280	267
19281	267
19282	267
19283	267
19284	267
19285	267
192922.04	88
192928	246
192931	88
192932	88
192933	88
192934	88
192935	88
19319	288
19323	288
19324	288
193241	288
19325	288
193251	288

www.laboquimia.es

INDEX

Code	page
19326	288
19345	267
19351	100
19353	101
19354	101
19355	100
19360	102
19361	102
19371	273
19374	273
19375	295
19384	249
19385	249
19386	249
19400	277
19400.1	277
19408	286
19409	286
19410	286
19411	286
19412	286
194171	260
194172	260, 296
194175	260, 296
194176	260, 296
194177	260, 296
194178	260, 296
19418	273
19423	259
19424	259
19425	259
19434	273
19435	273
19436	273
19438	261
19440	261
19441	261
19442	261
19443	261
19445	261
19454	268
19455	268
19460	272
19461	272
19462	272
19465	272
19467	272
19468	272
19500	89, 113
19501	89, 113
19503	89, 113
19504	271
19505	271
19510	272
19512	272
19513	272
19535	273
19538	273
19539	273
19540	106
19553	239
19554	239
19563	213
19564	213
19565	213
19566	213
19567	213
19568	213
19570	213
195701	267
195703	267
195705	267
195706	267
195707	267
195709	267
195711	267
195713	267
19575	45
19576	45
19577	45
19580	238
19586	253
19591	253
19591/T	253
19593	266
19596	266
19603	296
19604	296
19605	296
196102	44
196105	44
196110	44
196115	44
196302	44
196305	44
196310	44
196315	44
19660	295
19662	295
19664	295
19666	295
19698	275
19700	224
19705	275
19748	275
19749	275
19750	275
19751	275
19753	275
19756	275
19757	275
19758	275
19763	275
19764	275
19786	276
19787	276
19787.4	276
19788	276
19788.10	276
19788.4	276
19793	276
19797	276
19806	276
19810	276
19811	276
19811.4	276
19851	275
19852	275
19855	275
19856	275
1988314	83
1988315	83
19901	277
199014N	172
199014RC	172
19905	284
19906	284
19907	284
199075	182
199076RC	176
199078N	172
199078RC	172
199083	175
199084RC	169
19919	275
19920	94
19921	94
19922	105
19923	104
19924	104
19926	104
19930	94
19931	94
19971	272
19972	272
19973	210
19996	192, 267
200000	190
200001	190
200002	189
200003	189
200004	189
200005	190
200006	189
200007	189
200008	190
200009	175
200009B	175
200009R	175
200010FR	170
200012	178
200012B	178
200012R	178
200015	184
200015R	184
200015RF	184
200016	173
200016B	173
200016R	173
200017	177
200017R	177
200018	180
200019	177
200019R	177
200020	180
200021	179
200022	180
200024	169
200026	174
200028	183
200028R	183
200028RF	183
200029	179
200029F	179
200029R	179
200029RF	179
200032.0	189
200034	189
200037	189
200038	190
200050	191
200060	191
200062.0	189
200070	178
200070NR	178
200070R	178
200071	178
200071NR	178
200072	172
200074	176
200075	182
200075RF	182
200076	176
200076R	176
200076RF	176
200077	178
200077F	178
200077FR	178
200077R	178
200078	172
200079	173
200079F	173
200079FS	173
200079R	173
200080.1	179
200080.1R	179
200082	179
200082F	179
200082NR	179
200082R	179
200083	183
200083R	183

INDEX

Code	page
200100	247
200102	82
200103	82
200121	190
200200	28
200200.4	28
200200.5	29
200201	29
200201.B	29
200202	28
200203	28
200204	29
200208	31
200209	28
200210	28
200214	29
200215	28
200218	31
200219	29
200310	247
200311	247
200312	247
200318	247
200320	247
200321	247
200322	247
200325	111
200326	111
200329	111
200330	111
200332	111
200333	111
200340	111
200341	111
200342	43, 111
200343	43, 111
200345	111
200346	111
200347	111
200349	111
200350	43
200351	43, 111
200356	110
200357	111
200358	111
200359	111
200361	110
200363	111
200364	111
200365	110
200372	113
200373	43
200374	43
200376	43
200393P	27
200393.V	27
200396P	27
200398	27

Code	page
200399	27
200400	137
200400P	137
200401	137
200405	137
200407	137
200410	137
200420	207
200500	34
200510	34
201110	188
201250	188
2020VG	255
2020VM	255
2020VP	255
202248	157, 282
202317	157, 282
202505	292
202605	294
202610	294
202616	293
202620	294
202625	294
202630	294
202801	86, 280
202802	86, 280
202802.1	280
202802B	280
202803	86, 280
202804	281
202808	86, 280
202809	86, 280
202810	86, 280
202811	86, 280
202813	86, 281
202813.1O	281
202814	86, 280
202814.1	280
202815	281
202815B.O	281
202818	86, 281
202820	281
202820.O	281
202821	86, 280
202821.1	280
202821.O	281
202823	281
202823.1	280
202825	294
202826	294
202828	281
202828G	281
202839	281
202840	160
202841	160
202842	160
202843	160
202844	160

Code	page
202845	87
202846	87
202847	87
202848	160
202911N	285
202912N	285
202913N	285
202914N	285
202915N	285
202916N	285
206020	293
206025	293
208030	297
208031	297
208060	297
208061	297
208128	297
209030	296
209050	296
210002	191
210003	191
210004	191
210005	188
210006	191
210022	191
210023	191
210024	191
210030	188
222802	86, 283
222803	86, 283
222804	86, 283
222805	86, 283
232801	244
232802	244
232806	244
232808	244
232809	244
232810	244
232811	244
240007	242
240011	243
240021	243
240028	243
240035	245
240065	245
241010	86, 283
241011	86, 283
241013	86, 283
241014	86, 283
241400	242
241500	242
242000	242
242801	282
242802	282
242803	282
242804	282
242805	282
242806	282

Code	page
242811	282
244000	242
244109	207
244111	207
246000	242
250050	245
260000	244
27	74
270045	245
272301	290
272303	290
272304	290
282303	289
282304	289
282305	289
282306	289
282310	291
282311	291
282320	47
282321	47
282323	47
282323.BU	47
282324	47
282324.BU	47
282330	47
282331	47
282333	47
282334	47
282340	46
282341	46
282350	46
282351	46
29	75
292300	289
292304	289
292305	289
292306	289
292603	45
292604	45
292818	291
292819	291
292819G	290
292820	291
292820G	290
292821	291
292821G	290
300100	121, 125
300200	18
300201	18
300202	18
300203	18
300205	17
300210	18
300211.1	18
300230	17
300232	17
300234	250
300236	250

INDEX

Code	page
300237	250
300243	17
300250	19
300250.1	19
300251	19
300252	19
300252DNA	19, 52
300253	19
300254	19
300259	19
300260	17
300261	19
300263	19
300263DNA	19, 52
300265	19
300280	22
300280.2	22
300281	21
300281/1	21
300281T	21
300284	21
300285	21
300287	21
300290	22
300291	22
300294	23
300295	22
300297	23
300299	23
300300	120
300400	120, 125
300500	120, 125
300700	121, 123, 125
300700.6	125
300701	125
300702	123
300704	123
300705	121, 123, 125, 157
300707	125
300800	120, 125
300800.1	120, 125
300800.2	125
300800.2	120
300807	36, 128
300808	36, 128
300900	121, 123, 125, 157
300903	123
300904	123, 125
300907	123, 125
300908	123, 125
301-01	169
301-01F	169
301-01FR	169
301-01R	169
301-09	170
301-10	170

Code	page
301-11	170
301200	124, 125, 157
301201	124, 125, 157
301202	124, 125
301212	124, 125
301213	124, 125
301402	36, 128
301403	36, 128
301700	121, 125
302000	81
302100	81
302400	81
302703	35
302704	35
302723	35
302724	35
302743	35
302744	35
302745	35
302753	35
302754	35
302755	35
302762	34
302764	34
302771	34
302772	34
302780	34
302792	34
302794	34
303100	81
303101	81
303102	81
303103	81
304000	81
304210	26
304211	26
304212	26
304270	25
304271	25
304273	25
304276	25
304278	25
304279	25
304280	25
304281	24
304282	24
304285	24
304286	24
304291	25
304295	25
304297	25
3050	125
3053	125
3055	125
305502	157
3058	125
3066	125
3070	125

Code	page
3071	125
307107	123
3072	125
307202	157
3081	125
308102	157
308105	157
308107	123, 157
3082	125
308202	157
308207	157
308502	125
308506	125
308602	125
308606	125
309202	148
309222	148
309222.O	148
309316	157
309316.E	157
309324	157
309324.E	157
309324.E3	157
309324.PS	157
309402	150
309502	152
309526	152
309552	152
309752	154
309903	156
310200	18
310202	18
316-314.1	185
316-315.1	185
316-315.2	185
316-316.1	185
316-316.2	185
316-317.1	185
316-317.2	185
317-314.1	185
317-315.1	185
317-316.1	185
317-317.1	185
317-318.1	185
317-319.1	185
319324.E10	157
319324.E13	157
326-19	169
326-37	170
327-16	179
327-19	169
327-23	171
327-24	171
327-26	174
327-30	178
327-30R	178
327-31	178
327-33	172

Code	page
327-33R	172
327-34	173
327-34R	173
327-36	171
327-36R	171
327-37R	170
327-40	174
330	211
330089	181
330129	181
350002	270
350004	270
350013	271
350024	271
350034	271
350035	271
350037	271
350046	271
350048	271
350051	271
350057	271
350059	271
350069	271
350079	271
350610	271
350612	271
350613	270
350710	271
350810	271
350812	271
350814	271
350815	270
350912	271
350915	271
351014	271
351420	271
351622	271
352030	271
359517	270
400400	122, 125
400500	122, 125
400700	122,125
400705	157
400705	122, 125, 157
400800	122, 125
400800.1	122, 125
400900	122, 125
401100	122, 125
401200	124, 125
401201	124, 125
401204	124, 125, 157
401301	76, 113
401302	76, 113
401402	36, 128
401403	36, 128
401410	144
401700	122, 125
402001	247

INDEX

Code	page
402002	247
402005	247
402010	247
402020	247
4020NG	254
4020NM	254
4020NP	254
407001	162
407001/T	162
407001OBT	162
407003	162
407005	117, 163
407005.O	117, 163
407005/T	117, 163
407006	117, 163
407006/T	117, 163
407008	162
407008.O	162
407008OBT	162
408001	161
408001.1	161
408001.O	161
408001-86	161
408001O/T	161
408001OBT	161
408002	65
408003	65
408005	65
408025	256
408050	256
408100	256
408250	256
408500	256
408600	159
408601	159
408610	159
408702	158
408702.G	158
408710	158
408711	158
408720	158
408721	158
408726	158
408726.G	158
408900.K	158
408910.K	158
408914	159
408922	159
409001	144
409002	144
409002.1	144
409003	144
409003.1	144
409003.2	144
409003A	144
409003AM	144
409003R	144
409003V	144
409004	65
409005	231
409005	64
409007.M	50, 142
409008	64
409008.1	64
409008.M	50, 142
409008.N	50
409009	64
409010	64
409011	64
409012	64
409050	258
4091.1N	138
409100	258
409102.1	145
409103.1	144
409104.1	145
409105.1	144
409106.1	144
409106.2	145
409107	144
409107.1	145
409108	144
409108.1	145
409109	144
409109.1	145
409110	145
409110.1	50, 142
409110.2	50, 142
409110.2T	51, 143
409110.3	50, 142
409110.4	50, 142
409110.4T	51, 143
409110.5T	51, 143
409110/1	145
409110/4	145
409111/2	51, 143
409111/3	51, 143
409111/4	51, 143
409111/5	51, 143
409111/6	51, 143
409111/7	51, 143
409111R	50, 142
409112/0	51, 143
409112/1	51, 143
409112/2	51, 143
409112/4	51, 143
409112/6	51, 143
409113.1	50, 142
409113.2	50, 142
409113.3	50, 142
409113.4	50, 142
409113/1	33, 141
409113/2	33, 141
409113/3	33, 141
409113/4	33, 141
409113/5	33, 141
409113/6	33, 141
409115/2	50, 142
409115/3	50, 142
409115/4	50, 142
409115/6	50, 142
409120	145
409132	145
409133	145
409135	145
4092.1N	137
4092.1NS	137
4092.2N	139
4092.3N	139
4092.3NS	139
4092.4N	138
4092.5N	138
4092.6N	139
4092.6NS	139
4092.7N	140
4092.8N	140
409202	149
409202.B	149
409222	149
409222.O	149
409250	258
4094.1A	53
4094.1AM	53
4094.1N	53
4094.1R	53
4094.2A	56
4094.2AM	56
4094.2N	56
4094.2R	56
4094.3N	54
4094.4N	54
4094.5BP	55
4094.5N	53
409402	150
409426	150
4095.1BP	55
4095.1N	54
4095.1NP	54
4095.2N	54
4095.4N	54
4095.5N	56
4095.6N	54
4095.7N	54
4095.9N	53
409500	258
409501	153
409502	153
409502G	153
409511	156
409526	153
409526.1	153
409526.O	153
409526G	153
409552	153
4096.2N	54
4096.3N	54
409602	149
409700	154
409701	155
409702	155
409703	155
409711	156
409726	155
409726.G	155
409752	154
409756	154
409756.B	154
409802	150
409826	150
409852	150
409902	156
409920	40, 130
409922	40, 130
410046	165
410056	165
414141	93
414147	93
415141	93
418003	65
419802	151
419826	151
429900	39, 131
429900SP	39, 131
429901	39, 131
429910	38, 131
429920	38, 131
429926	39, 131
429926.10	39, 131
429926.25	39, 131
429927	39, 131
429927.10	39 131
429927.25	39, 131
429930	37, 129
429931	37, 129
429940	37, 129
429942	37, 129
429945	37, 129
429946	38, 131
429950	37, 129
429951	37, 129
430100.1	164
430130	164
430130.1	164
439905	117, 130
439910	117, 130
440131	88
440132	88
440139	88
440141	89
440142	115
440142.0	115
440143	89

www.laboquimia.es

INDEX

Code	page
440144	89
440147	89
440149	89
440150	115
440151	115
440157	115
440158	115
440159	115
441140	91
441141	91
441142	252
441142.1	252
441142.2	252
441143	91
441145	91
441242.2	252
44125	93
44140	91
44141	91
44143	91
44145	91
44147	91
44240	89
44245	89
44260000	288
44270000	288
44280000	288
44300000	251, 269
44310000	251, 269
44330000	251, 269
44350	92
44351	92
44355	92
444142	115
444150	115
444242	115
44430000	286
44440000	286
44450000	286
44460000	286
444602801	164
444602901	164
444602903	164
444603202	164
444603204	164
444603300	164
444603402	164
444608	285
444609	285
444610	285
444611	285
444612	285
444613	285
444614	285
44470000	286
445140	91
445141	91
445143	91
445145	91
445147	91
451241	91
451243	91
451245	91
454140	90
454141	90
454143	90
454147	90
454148	90
470000	284
470001	284
470002	284
470003	284
470005	284
470007	284
481000	256
482000	256
490050	259
490100	259
490250	259
490400	259
490900	259
491000	258
492000	258
493000	258
495000	258
53020	289
53125	289
53250	289
554111	90
554140	90
554141	90
554143	90
554147	90
554148	90
555141	92
555251	92
555257	92
555258	92
600300	71
600400	71
600602	69
600800	70
600801	70
601006	74, 75
601102	69
601103	69
601203	69
601402	73
601403	73
601412	73
601413	73
601603	73
601613	73
601702	73
601802	72
601803	72
601810	72
602002	72
602003	72
611603	73
611604	73
617000	134
617100	134
617145	134
617200	134
617200	134
617300	134
617402	132
620200	77
620400	77
621101	77
621102	77
621610	77
621611	77
621613	77
662005	182
701	195
702	195
705000	79
705722	125
707094	71
712	195
713100	134
716100	134
716125	134
716150	134
720150	134
721008	187
7301	80
7311	80
7401	80
7411	80
7600	80
770000	187
770005	187
770040	187
770050	187
770060	187
770070	187
770080	187
770110	187
770210	187
770220	187
770240	187
770310	187
770320	187
770340	187
800000	79
801000	79
801075	133
801175T	133
801275	133
802000	79
805001	99
805011	99
805013	80, 99
805020	99
805030	99
805040	99
805050	99
805050	99
805120	99
805130	99
805140	99
805150	99
806030	99
808000	80,99
808001	80, 99
808100	80, 99
808101	80, 99
808200	80, 99
813100	133
816100	133
816150	133
816160	133
818150	133
820150	133
820200	133
900005.1	83
900007	136
900008	83
900010	32
900010.1	32
900011	32
900011.1	32
900012	32
900012.1	32
900015	32
900015.1	32
900019	82
900020	83
900022	82
900023	82
900024	82
900025	104
900026	82
900028	104
900030	41, 193
900031	41, 193
900032	41, 193
900032.1	192
900033	41, 193
900034	41, 193
900036	41, 193
900037	41, 193
900038	41, 193
900041	41, 193
900043	41, 193
900050	192
900073	116
900074	116
900076	116

INDEX

Code	page
900078	116
900093	59
900095	59
900098	59
900100	83
900101	83
900110	60
900111	60
900112	61
900113B	61
900117	136
900118	136
900122	60
900123	59
900130	41, 193
900131	41, 193
900136N	41, 193
900144N	41, 193
900146N	41, 193
900155	63
900170	63
900195	63
900196	63
900197	63
900204	135
900205	135
900211	135
900212	135
900220	135
900225	135
900300	62
900301	62
900305	62
900306	63
900309	63
900320	62
900330	62
900384	56
900400	277
900600	277
901016	248
901030	248
901031	248
901031.2	248
901041	248
901075	133
901275	133
901407	214
901410	214
901531	243
901533	243
901538	243
901600	98
910022	82
910023	83
910026	83
913100	133
916100	133
916150	133
917000	135
917000	135
918000	135
918150	133
922000	135
928000	135
928000	135
979930	104
986517	69
986524	69
989910	103
989920	103
989945	103
989951	98
989953	98
989956	103
A	
A100010	96
A100011	96
A100013	96
A100014	96
A100018	96
A100019	96
A-200	220
A-201	220
A20100	98
A-202	220
A20250	98
A20500	98
A-210	220
A-211	220
A-212	220
A-222	220
A-230	220
A-231	220
A-240	220
A-241	220
A-242	220
A-250	220
A-251	220
A-260	220
B	
B-200	220
B-210	220
B-220	220
B-240	220
C	
C-200	221
C-211	221
C-254	221
C-256	221
CP-30	102, 227
CP-30 H	102, 227
CP-45 H	102, 227
D	
D100001	97
D100002	97
D100003	97
D100004	97
D101818	97
D102020	97
D102222	97
D102240	97
D102424	97
D102432	97
D102440	97
D102450	97
D102460	97
D-200	135, 221
D-230	135, 221
D-240	135, 221
D-250	135,221
DEL001	238
DS10	95
DS36	95
DS40	94
DS42	94
DS51	95
DS52	95
DS63	95
F	
F-200	220
F-210	220
F-211	220
F-240	220
FB534S	233
FB544S	233
FB545S	233
G-050	207
G-100	207
GS-01	68
GS-02	68
H	
H-200	225
H-210	225
H-215	225
H-220	225
H-240	225
H-260	224
H-261	224
H-290	225
H-295	225
H-401	226
H-600	30, 227
H-601	30, 227
H-610	31
H-611	31
H-615	32
H-625	30
I	
I-240	152, 223
I-250	152, 223
L	
L-240	223
L-250	223
LC1000	236
LC2000	236
LC3000	237
LC4000	237
LC5000	237
M	
M 100150	112
M 100150B	112
M 110110	112
M 120180	112
M 120180B	112
M 150220	112
M 160220B	112
M 180250	112
M 180250B	112
M 200300	112
M 200300B	112
M 250330	112
M 300400	112
M 5555	112
M 5555B	112
M 6080	112
M 6080B	112
M 70100	112
M 70110B	112
M 80120	112
M 80120B	112
M 80160	112
M-010.1	204
M-010.2	204
M-010.5	204
M-010.6	204
M-010.7	204
M-011.1	204
M-020AM	200
M-020N	200
M-020R	200
M-020V	200
M-021AM	209
M-021R	209
M-021V	209
M-022	206
M-024	206
M-026	206
M-028.5	207
M-028.6	207
M-033AM	199
M-033R	199
M-033V	199

INDEX

Code	page
M-034AM	199
M-035AM	199
M-035R	199
M-035V	199
M-036A	199
M-036AM	198
M-036B	198
M-050	210
M-052	203
M-053	203
M-060	210
M-061AM	198
M-061NA	198
M-062B	198
M-062R	198
M-063B	198
M-063R	198
M-064AM	198
M-064V	198
M-100	210
M-110	210
M-200	181
M-203	181
M-205	181
M-210	181
M-300	226
M-410	203
M-450	203
M-500	203
M-501	203
M-502	203
M-503	203
M-510	203
M-511	203
M-512	203
M-513	203
M-520	211
M-521	211
M-522	211
M-523	211
M-530	211
M-540	208
M-541	208
M-542	208
M-550	208
M-551	208
M-552	208
M-553	208
M-554	209
M-560A	214
M-561A	214
M-563A	204
M-563NA	204
M-570	206
M-571	206
M-572	205
M-581	205
M-585	205
M-600	202
M-603	202
M-604	202
M-606	202
M-607	202
M-610	202
M-640	209
M-641	209
MLTSTD	186
N 160230	112
N-240	223
N-250	223
NPP-10	186
NPP-100	186
NPP-1000	186
NPP-10000	186
NPP-2	186
NPP-20	186
NPP-200	186
NPP-5000	186
NPX2-10	186
NPX2-100	186
NPX2-1000	186
NPX2-10ML	186
NPX2-2	186
NPX2-20	186
NPX2-200	186
NPX2-5000	186
NT-250	223
R	
R-200	225
R-215	225
R-220	225
R-230	225
R-240	225
R-250	225
R-281	222
R-282	222
R-283	222
R-292	222
R-293	222
RC845TP	64
S-002	102, 227
S-003	102, 227
S-004	102, 227
T	
T-200	224
T-210	224
U	
U-0537A	202
U-0537N	202
U-0537NA	202
U-0537V	202
U-105105A	217
U-1145A	215
U-1145N	215
U-1170A	215
U-1170N	215
U-15128A	217
U-15128AM	217
U-15128N	217
U-4445A	202
U-4445AM	202
U-4445N	202
U-4445NE	202
U-50128A	214
U-50128R	214
U-50128V	214
U-7750A	201
U-7750AM	201
U-7750N	201
U-7780A	216
U-7780N	216
U-7780NA	216
U-7796A	216
U-7796V	216
U-8845A	201
U-8845N	201
U-8850A	201
U-8850NA	201
U-9581N	200
U-9950CAM	200
U-9950CN	200
U-9950CNA	200
U-9950CR	200
U-9950CV	200
U-9970A	215
U-9970N	215
U-9970R	215
U-9980A	216
U-9980N	216
U-9996A	217
U-9996N	217
V	
V 160230	112
W	
W000010	232
W000011	232
W000018	232
W000040	232
W000050	231
W000059CL	231
W000120	231
W000129CL	231
W001400	232
W009680	232
W030830	233
W030930	233
W030940	233
W030965	233
W031030	233
W031230	233
W-011	212
W-011.4	212
W-012	212
W-013	212
W-014	212
W-015	212
W-016	212
W-017	212
W-018	212
W058100	231
W-100	42, 194, 250
W-110	42, 194, 250
W-120	42, 194, 250
W128100	231
W128960	231
W-150	250
W310900	233
W310990	233
W350900	233
W350990	233
W351100	233
W370900	233
W370990	233
W990000	231
W990001	231
W990002	231
W990003	231
W990004	231
W999600	231
W999601	231
W999602	231
W999603	231
W999604	231
Z	
Z-025	219
Z-050	219
Z-075	219
Z-100	219
Z-250	219
Z-300	219
Z-500	219
Z-550	219
Z-600	219
Z-700	219
Z-800	219

deltalab





Direction and coordination
Marketing Department, DELTALAB S.L.

Photography
DELTALAB S.L. files
Christian Ribas

Artwork and digital image
innovagrafic.com - Pere Mola

Graphic concept and cover design
Marketing Department, DELTALAB S.L.

Printed by
www.cegeglobal.com

All rights reserved.
Both partial or total reproduction of this catalogue without the written permission from DELTALAB S.L. is forbidden

Printed in Spain

November, 2016





FSC
www.fsc.org
MIX
Paper from responsible sources
FSC®

All information presented in this catalogue is correct except in the case of typing errors.
DELTALAB S.L. reserves the right to alter the characteristics of products presented in our catalogue when said changes are beyond control of this company.

www.laboquimia.es



Plaza de la Verneda, 1 P. I. La Llana 08191 Rubí, BARCELONA (SPAIN)
T. +34 936 995 000 F. +34 936 994 512
www.deltalab.es · deltalab@deltalab.es

Ref. **905070.EN** PR-05/02EN Rev. 10