

TECHNE

Prime Pro qPCR reagent kits

Part of the Prime Pro qPCR system

400 qPCR reagent kits available

Probe based chemistry

Read on FAM and VIC channels

Human Pathogen kits

Food and Water testing

Veterinary and agriculture Pathogens

Biothreat detection kits

Available with or without Mastermix



qPCR reagent kits from Techne

Techne offer a range of over 400 Prime Pro DNA/RNA pathogen detection kits for a wide variety of applications. The kits contain all of the components required to run 150 tests. To use the kits, simply combine the components and introduce your DNA/RNA before placing into your real time PCR instrument. For your convenience, each kit is available with and without the mastermix component. The kit components are lyophilised (freeze dried) so can be shipped and stored at ambient temperature. They are stable for 18 months. Suitable for:

- Molecular Biology research
- Health agencies
- Hospitals
- Defence agencies
- Research
- Veterinary/Agriculture
- Food agencies
- Parasitology
- Water testing
- For general laboratory and research only
- Standards and testing agencies

DNA Kits

Each Prime Pro DNA reagent kit employs the same experimental setup, amplification protocol and interpretation of results.

Plate setup includes:

1. Internal extraction control, VIC labelled.
2. Endogenous control, FAM labelled.
3. Positive control, also used for standard curve, FAM labelled.

DNA Protocol

	Step	Time	Temperature
1 cycle	Enzyme activation	10 minutes	95°C
50 cycles	Denaturation	10 seconds	95°C
	Data collection*	60 seconds	60°C

* Fluorogenic data for the target, positive control and endogenous control is collected during this step through the FAM channel. Fluorogenic data for the internal extraction control should be collected during this step through the VIC channel (or the Cy5 channel if using a Roche LightCycler 1.0 or 1.5)

DNA Results

Pathogen	Internal control	Negative control	Positive control	Interpretation
+	+	-	+	Positive result
+	-	-	+	
-	+	-	+	Negative result
-	-	-	-	Experiment fail
+	+	+	+	

Kit contents

- Lyophilised primer and probe mix
- Lyophilised master mix
- Lyophilised master mix resuspension buffer
- Lyophilised ROX Ampule
- High-copy DNA for standard curve
- Internal extraction control DNA
- Beta-actin endogenous control
- RNase/DNase free water
- Reverse transcriptase (RNA kits only)

Advantages

- Kits packed in a convenient foil pouch
- Lyophilised - (freeze dried)
 - o No dry ice shipping required
 - o Reduced shipping costs
 - o Ship to hot climates
 - o Ship at the weekend
- Simple protocol, identical for each kit
- 150 reactions per kit.
 - o Low cost per test
- qPCR can be days faster, more accurate and more quantifiable than traditional microbiological methods
- Suitable for any qPCR instrument with FAM/VIC detection

RNA Kits

Each Prime Pro RNA reagent kit employs the same experimental setup, amplification protocol and interpretation of results.

Plate setup includes:

1. Internal extraction control, VIC labelled.
2. Endogenous control, FAM labelled.
3. Positive control, also used for standard curve, FAM labelled.

RNA Protocol

	Step	Time	Temperature
1 cycle	Reverse transcription	10 minutes	55°C
	Enzyme activation	8 minutes	95°C
50 cycles	Denaturation	10 seconds	95°C
	Data collection*	60 seconds	60°C

* Fluorogenic data for the target, positive control and endogenous control is collected during this step through the FAM channel. Fluorogenic data for the internal extraction control should be collected during this step through the VIC channel (or the Cy5 channel if using a Roche LightCycler 1.0 or 1.5)

RNA Results

Pathogen	Internal control	Negative control	Positive control	Interpretation
+	+	-	+	Positive result
+	-	-	+	
-	+	-	+	Negative result
-	-	-	-	Experiment fail
+	+	+	+	

Human pathogens

Human pathogen detection kits form the largest part of the Prime Pro reagent range. This segment includes kits for pathogenic bacteria, viruses, protozoa and parasites.

- Respiratory infections
- Sexually transmitted infections
- Herpes infections
- Hepatitis viruses
- Human papillomavirus
- Gastrointestinal infections
- Vector-borne diseases
- Meningitis
- Periodontal infections
- Influenza H1N1

Without Mastermix	With Mastermix	Description
Respiratory Infections		
TKIT10005	TKIT10005M	DNA, Adenovirus Type B
TKIT10006	TKIT10006M	DNA, Adenovirus Type C
TKIT10007	TKIT10007M	DNA, Adenovirus Type F&G
TKIT10003	TKIT10003M	DNA, Ajellomyces capsulata
TKIT11016	TKIT11016M	DNA, Chlamydomyces pneumoniae
TKIT11017	TKIT11017M	DNA, Chlamydomyces psittaci
TKIT11015	TKIT11015M	DNA, Cryptococcus neoformans
TKIT10028	TKIT10028M	DNA, Enterobacter cloacae
TKIT11023	TKIT11023M	DNA, Geosmithia argillacea
TKIT10044	TKIT10044M	RNA, H1N1 influenza
TKIT11026	TKIT11026M	RNA, Avian Influenza A virus Subtype H7N9
TKIT10040	TKIT10040M	DNA, Haemophilus influenzae
TKIT10046	TKIT10046M	DNA, Human Bocavirus genomes
TKIT10049	TKIT10049M	RNA, All Group 1 Coronavirus genomes
TKIT10050	TKIT10050M	RNA, All Group 2 Coronavirus genomes
TKIT10035	TKIT10035M	RNA, Influenza Type A M1
TKIT10036	TKIT10036M	RNA, Human Influenza Type A M2
TKIT10043	TKIT10043M	RNA, Human Influenza A virus Subtype H1
TKIT10045	TKIT10045M	RNA, Human Influenza A virus Subtype H3
TKIT10037	TKIT10037M	RNA, Human Influenza Type B
TKIT10064	TKIT10064M	RNA, Human Metapneumovirus
TKIT10066	TKIT10066M	RNA, Human Parainfluenza virus Type 1
TKIT10067	TKIT10067M	RNA, Human Parainfluenza virus Type 2
TKIT10068	TKIT10068M	RNA, Human Parainfluenza virus Type 3
TKIT10069	TKIT10069M	RNA, Human Parainfluenza virus Type 4A
TKIT10070	TKIT10070M	RNA, Human Parainfluenza virus Type 4B
TKIT10082	TKIT10082M	DNA, Human Polyomavirus 6
TKIT10083	TKIT10083M	DNA, Human Polyomavirus 7
TKIT10084	TKIT10084M	DNA, Human Polyomavirus 9
TKIT10085	TKIT10085M	RNA, Human Rhinovirus Subtype 14
TKIT10086	TKIT10086M	RNA, Human Rhinovirus Subtype 16

TKIT10087	TKIT10087M	RNA, Human Rhinovirus Subtype 1B
TKIT10088	TKIT10088M	RNA, Human Rhinovirus Subtype 29
TKIT10089	TKIT10089M	RNA, Human Rhinovirus Subtype 9
TKIT10090	TKIT10090M	RNA, Human Rhinovirus All subtypes (generic)
TKIT10097	TKIT10097M	DNA, Klebsiella pneumoniae
TKIT07012	TKIT07012M	DNA, All Legionella species
TKIT10102	TKIT10102M	DNA, Legionella pneumophila
TKIT11027	TKIT11027M	DNA, Leptospirosis
TKIT10114	TKIT10114M	DNA, Merkel cell polyomavirus
TKIT10115	TKIT10115M	DNA, Methicillin-resistant Staphylococcus aureus
TKIT10108	TKIT10108M	DNA, Moraxella catarrhalis
TKIT08017	TKIT08017M	DNA, Mycobacterium avium subspecies paratuberculosis
TKIT10113	TKIT10113M	DNA, Mycobacterium tuberculosis complex
TKIT11044	TKIT11044M	DNA, Mycobacterium avium
TKIT10113	TKIT10113M	DNA, Mycobacterium tuberculosis complex
TKIT10112	TKIT10112M	DNA, Mycoplasma pneumoniae
TKIT10133	TKIT10133M	RNA, Respiratory Syncytial virus
TKIT10134	TKIT10134M	RNA, Respiratory Syncytial virus A
TKIT10135	TKIT10135M	RNA, Respiratory Syncytial virus B
TKIT11035	TKIT11035M	RNA, SARS coronavirus
TKIT10100	TKIT10100M	DNA, Legionella longbeachae
TKIT07017	TKIT07017M	DNA, Simkania negevensis
TKIT10155	TKIT10155M	DNA, WU polyomavirus
TKIT10098	TKIT10098M	DNA, KI polyomavirus

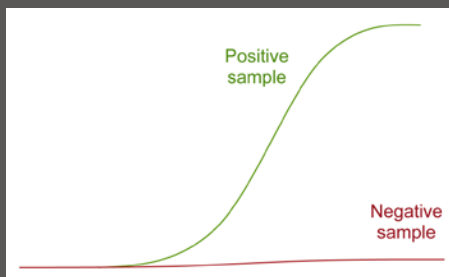
Sexually transmitted Infections

TKIT10016	TKIT10016M	DNA, Candida albicans
TKIT10021	TKIT10021M	DNA, Chlamydia trachomatis
TKIT10039	TKIT10039M	DNA, Haemophilus ducreyi
TKIT07008	TKIT07008M	RNA, Hepatitis A virus
TKIT10047	TKIT10047M	DNA, Hepatitis B virus
TKIT10091	TKIT10091M	DNA, Herpes simplex Type 1 (HHV1)
TKIT10092	TKIT10092M	DNA, Herpes simplex Type 1 and 2 (HHV1&2)
TKIT10093	TKIT10093M	DNA, Herpes simplex Type 2 (HHV2)

Without Mastermix	With Mastermix	Description			
TKIT10062	TKIT10062M	RNA, Human Immunodeficiency virus Type 1	TKIT10027	TKIT10027M	DNA, Enterococcus caseliflavus
TKIT10063	TKIT10063M	RNA, Human Immunodeficiency virus Type 2	TKIT07006	TKIT07006M	DNA, Enterococcus faecalis
TKIT10071	TKIT10071M	DNA, Human Papillomavirus 11	TKIT07007	TKIT07007M	DNA, Enterococcus faecium
TKIT10072	TKIT10072M	DNA, Human Papillomavirus 16	TKIT08013	TKIT08013M	DNA, Enteropathogenic Escherichia coli
TKIT10073	TKIT10073M	DNA, Human Papillomavirus 18	TKIT08008	TKIT08008M	DNA, Escherichia coli
TKIT10074	TKIT10074M	DNA, Human Papillomavirus 31	TKIT08007	TKIT08007M	DNA, Escherichia coli O157:H7
TKIT10075	TKIT10075M	DNA, Human Papillomavirus 33	TKIT08009	TKIT08009M	DNA, Escherichia coli O104:H4
TKIT10076	TKIT10076M	DNA, Human Papillomavirus 45	TKIT08015	TKIT08015M	DNA, Giardia intestinalis
TKIT10077	TKIT10077M	DNA, Human Papillomavirus 52 and 52b	TKIT10041	TKIT10041M	DNA, H Pylori
TKIT10078	TKIT10078M	DNA, Human Papillomavirus 58	TKIT10046	TKIT10046M	DNA, Human Bocavirus
TKIT10079	TKIT10079M	DNA, Human Papillomavirus 6	TKIT08016	TKIT08016M	DNA, Listeria monocytogenes
TKIT10110	TKIT10110M	DNA, Mycoplasma hominis	TKIT08016	TKIT08016M	DNA, Listeria monocytogenes
TKIT10119	TKIT10119M	DNA, Neisseria gonorrhoeae	TKIT11031	TKIT11031M	RNA, Rotavirus A
TKIT10149	TKIT10149M	DNA, Treponema pallidum	TKIT11032	TKIT11032M	RNA, Rotavirus B
TKIT10150	TKIT10150M	DNA, Trichomonas vaginalis	TKIT11033	TKIT11033M	RNA, Rotavirus C
TKIT10154	TKIT10154M	DNA, Ureaplasma urealyticum	TKIT08018	TKIT08018M	DNA, Salmonella enterica
Herpes viral Infections			TKIT08010	TKIT08010M	DNA, Shiga toxin (stx1) producing Escherichia coli
TKIT10024	TKIT10024M	DNA, Cytomegalovirus (HHV5)	TKIT08011	KIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli
TKIT10030	TKIT10030M	DNA, Epstein Barr virus (HHV4)	TKIT05001	TKIT05001M	DNA, All pathogenic Salmonella species
TKIT10091	TKIT10091M	DNA, Herpes simplex Type 1 (HHV1)	TKIT07020	TKIT07020M	DNA, All Vibrio species
TKIT10092	TKIT10092M	DNA, Herpes simplex Type 1 and 2 (HHV1&2)	TKIT02002	TKIT02002M	DNA, Toxigenic subspecies of Vibrio cholerae
TKIT10093	TKIT10093M	DNA, Herpes simplex Type 2 (HHV2)	TKIT07019	TKIT07019M	DNA, All Vibrio cholerae subspecies
TKIT10057	TKIT10057M	DNA, Human Herpesvirus 6	TKIT02003	TKIT02003M	DNA, Yersinia enterocolitica
TKIT10056	TKIT10056M	DNA, Human Herpesvirus 3	TKIT10121	TKIT10121M	DNA, Oxalobacter formigenes
TKIT10058	TKIT10058M	DNA, Human Herpesvirus 6 variant A	Vector-borne diseases		
TKIT10059	TKIT10059M	DNA, Human Herpesvirus 6 variant B	TKIT11004	TKIT11004M	DNA, African Trypanosomiasis
TKIT10060	TKIT10060M	DNA, Human Herpesvirus 7	TKIT11007	TKIT11007M	DNA, Anaplasma phagocytophilum
TKIT10061	TKIT10061M	DNA, Human Herpesvirus 8	TKIT10008	TKIT10008M	DNA, Borrelia afzelii
Hepatitis Infections			TKIT10009	TKIT10009M	DNA, Borrelia burgdorferi
TKIT07008	TKIT07008M	RNA, Hepatitis A virus	TKIT10011	TKIT10011M	DNA, Borrelia garinii
TKIT10047	TKIT10047M	DNA, Hepatitis B virus	TKIT10023	TKIT10023M	RNA, Chikungunya virus
TKIT10051	TKIT10051M	RNA, Hepatitis C virus	TKIT08002	TKIT08002M	DNA, Coxiella burnetii
TKIT10054	TKIT10054M	RNA, Hepatitis Delta virus	TKIT08006	TKIT08006M	RNA, Crimean-Congo Haemorrhagic Fever virus
TKIT07009	TKIT07009M	RNA, Hepatitis E virus	TKIT10025	TKIT10025M	RNA, Dengue virus
Human Papillomavirus			TKIT10026	TKIT10026M	RNA, Dengue virus Type 3
TKIT10079	TKIT10079M	DNA, Human Papillomavirus 6	TKIT10031	KIT10031M	DNA, All Ehrlichia species
TKIT10071	TKIT10071M	DNA, Human Papillomavirus 11	TKIT08014	TKIT08014M	DNA, Francisella tularensis
TKIT10078	TKIT10078M	DNA, Human Papillomavirus 58	TKIT01001	TKIT01001M	QPCR Kit, RNA, Japanese Encephalitis virus
TKIT10072	TKIT10072M	DNA, Human Papillomavirus 16	TKIT10099	TKIT10099M	DNA, Leishmania infantum and donovani
TKIT10073	TKIT10073M	DNA, Human Papillomavirus 18	TKIT10101	TKIT10101M	DNA, Leishmania major
TKIT10075	TKIT10075M	DNA, Human Papillomavirus 33	TKIT10103	TKIT10103M	DNA, Leishmania tropica
TKIT10077	TKIT10077M	DNA, Human Papillomavirus 52 and 52b	TKIT10104	TKIT10104M	DNA, Lactobacillus genus
TKIT10074	TKIT10074M	DNA, Human Papillomavirus 31	TKIT10105	TKIT10105M	DNA, All Leishmania species
TKIT10076	TKIT10076M	DNA, Human Papillomavirus 45	TKIT10107	TKIT10107M	DNA, Lyme disease
Gastrointestinal infections			TKIT10122	TKIT10122M	DNA, Plasmodium falciparum
TKIT11006	TKIT11006M	DNA, Aeromonas hydrophila	TKIT10129	TKIT10129M	DNA, Plasmodium ovale
TKIT11003	TKIT11003M	DNA, Ancylostoma duodenale	TKIT10130	TKIT10130M	DNA, Plasmodium vivax
TKIT07001	TKIT07001M	DNA, Bifidobacterium bifidum	TKIT10126	TKIT10126M	DNA, Plasmodium knowlesi
TKIT06001	TKIT06001M	DNA, Bifidobacterium longum	TKIT10127	TKIT10127M	DNA, Plasmodium malariae
TKIT11002	TKIT11002M	DNA, Blastocystis genus (All species)	TKIT10131	TKIT10131M	DNA, All Plasmodium species
TKIT08004	TKIT08004M	DNA, Campylobacter Coli	TKIT10132	TKIT10132M	DNA, Rickettsia (All species)
TKIT08005	TKIT08005M	DNA, Campylobacter Jejuni	TKIT10141	TKIT10141M	RNA, Sandfly Fever Sicilian virus
TKIT10016	TKIT10016M	DNA, Candida albicans	TKIT10152	TKIT10152M	RNA, Tick-borne Encephalitis virus
TKIT07004	TKIT07004M	DNA, All Clostridium perfringens species	TKIT10145	TKIT10145M	DNA, Trypanosoma cruzi
TKIT10017	TKIT10017M	DNA, Clostridium difficile (toxin A)	TKIT12080	TKIT12080M	DNA, Trypanosoma equiperdum
TKIT10018	TKIT10018M	DNA, Clostridium difficile (toxin B)	TKIT11043	TKIT11043M	RNA, Wesselsbron virus
TKIT11018	TKIT11018M	DNA, Cryptosporidium	TKIT01003	TKIT01003M	RNA, West Nile virus
TKIT08003	TKIT08003M	DNA, Cyclospora cayetanensis	TKIT01002	TKIT01002M	RNA, Western equine encephalomyelitis virus
TKIT07002	TKIT07002M	DNA, Bacillus cereus E33	TKIT10156	TKIT10156M	RNA, Yellow Fever virus
TKIT10013	TKIT10013M	DNA, All Bacteroides species	Meningitis		
TKIT10012	TKIT10012M	DNA, Balamuthia mandrillaris	TKIT10024	TKIT10024M	DNA, Cytomegalovirus (HHV5)
TKIT10029	TKIT10029M	DNA, Entamoeba histolytica	TKIT10120	TKIT10120M	DNA, All Neisseria meningitidis
TKIT10032	TKIT10032M	DNA, All Entamoeba species	TKIT10033	TKIT10033M	RNA, All Human Enterovirus species
TKIT10028	TKIT10028M	DNA, Enterobacter cloacae	TKIT10030	TKIT10030M	DNA, Epstein Barr virus (HHV4)
			TKIT10040	TKIT10040M	DNA, Haemophilus influenzae
			TKIT10091	TKIT10091M	DNA, Herpes simplex Type 1 (HHV1)
			TKIT10092	TKIT10092M	DNA, Herpes simplex Type 1 and 2 (HHV1&2)
			TKIT10093	TKIT10093M	DNA, Herpes simplex Type 2 (HHV2)
			TKIT11027	TKIT11027M	DNA, Leptospirosis
			TKIT11038	TKIT11038M	DNA, Streptococcus pneumoniae

Without Mastermix	With Mastermix	Description	TKIT10095	TKIT10095M	RNA, Human T-lymphotropic virus Type 2
			TKIT10096	TKIT10096M	DNA, Klebsiella oxytoca
			TKIT10097	TKIT10097M	DNA, Klebsiella pneumoniae
Periodontal infections			TKIT06015	TKIT06015M	DNA, Lactobacillus plantarum
TKIT10001	TKIT10001M	DNA, Aggregatibacter actinomycetemcomitans	TKIT07012	TKIT07012M	DNA, All Legionella species
TKIT10123	TKIT10123M	DNA, Porphyromonas gingivalis	TKIT10107	TKIT10107M	DNA, Lyme disease
TKIT10124	TKIT10124M	DNA, Prevotella intermedia	TKIT10114	TKIT10114M	DNA, Merkel cell polyomavirus
TKIT10140	TKIT10140M	DNA, Streptococcus mutans	TKIT10115	TKIT10115M	DNA, Methicillin-resistant Staphylococcus aureus
TKIT11040	TKIT11040M	DNA, Streptococcus salivarius	TKIT10116	TKIT10116M	DNA, MRSA Staphylococcal cassette chromosome
TKIT10147	TKIT10147M	DNA, Tannerella forsythia	TKIT10117	TKIT10117M	DNA, MRSA (SCC mec) Type Iva
TKIT10146	TKIT10146M	DNA, Treponema denticola	TKIT10118	TKIT10118M	RNA, Mumps virus
			TKIT10111	TKIT10111M	DNA, Mycobacterium marinum and ulcerans
Others			TKIT10110	TKIT10110M	DNA, Mycoplasma hominis
TKIT10004	TKIT10004M	DNA, All Acanthamoeba species	TKIT11028	TKIT11028M	DNA, Mycoplasma species
TKIT10002	TKIT10002M	DNA, Acinetobacter baumannii	TKIT07014	TKIT07014M	DNA, All Naegleria species
TKIT11005	TKIT11005M	DNA, Aspergillus fumigatus	TKIT12070	TKIT12070M	DNA, Orf virus (Contagious pustular dermatitis)
TKIT11008	TKIT11008M	DNA, Aspergillus	TKIT10125	TKIT10125M	DNA, Pneumocystis jirovecii
TKIT03001	TKIT03001M	DNA, Bacillus anthracis	TKIT10128	TKIT10128M	DNA, Proteus mirabilis
TKIT11009	TKIT11009M	DNA, Bartonella henselae	TKIT07016	TKIT07016M	DNA, Pseudomonas aeruginosa
TKIT08001	TKIT08001M	DNA, Brucella abortus	TKIT11030	TKIT11030M	RNA, Rabies virus
TKIT07003	TKIT07003M	DNA, Brucella genus (All species)	TKIT10136	TKIT10136M	RNA, Rubella virus
TKIT10010	TKIT10010M	DNA, Burkholderia cepacia complex	TKIT03003	TKIT03003M	RNA, Reston ebola virus
TKIT11001	TKIT11001M	DNA, Burkholderia mallei (with Mastermix)	TKIT10139	TKIT10139M	DNA, Serratia marcescens
TKIT11010	TKIT11010M	DNA, Burkholderia pseudomallei	TKIT10144	TKIT10144M	DNA, Simian virus 40
TKIT11012	TKIT11012M	DNA, Campylobacter fetus	TKIT10142	TKIT10142M	RNA, Saint Nombre virus
TKIT11013	TKIT11013M	DNA, Campylobacter fetus subspecies venerealis	TKIT10143	TKIT10143M	DNA, Saint Louis Polyomavirus
TKIT10022	TKIT10022M	RNA, Chaoyang virus	TKIT02001	TKIT02001M	DNA, Staphylococcus aureus
TKIT11011	TKIT11011M	DNA, Chlamydomphila abortus	TKIT10137	TKIT10137M	DNA, Staphylococcus epidermidis
TKIT10017	TKIT10017M	DNA, Clostridium difficile (toxin A)	TKIT10138	TKIT10138M	DNA, Staphylococcus haemolyticus
TKIT10018	TKIT10018M	DNA, Clostridium difficile (toxin B)	TKIT11034	TKIT11034M	DNA, Streptococcus agalactiae
TKIT11019	TKIT11019M	DNA, Clostridium tetani	TKIT11036	TKIT11036M	QPCR Kit, DNA, Streptococcus mitis
TKIT10019	TKIT10019M	DNA, Corynebacterium diphtheriae toxin A&B	TKIT11037	TKIT11037M	DNA, Streptococcus oralis
TKIT11020	TKIT11020M	RNA, Dobrava-Belgrade virus	TKIT11038	TKIT11038M	QPCR Kit, DNA, Streptococcus pneumoniae
TKIT11021	TKIT11021M	DNA, Enterocytozoon bienersi	TKIT11039	TKIT11039M	QPCR Kit, DNA, Streptococcus pyogenes
TKIT11022	TKIT11022M	DNA, All Encephalitozoon species	TKIT11040	TKIT11040M	QPCR Kit, DNA, Streptococcus salivarius
TKIT08014	TKIT08014M	DNA, Francisella tularensis	TKIT11041	TKIT11041M	QPCR Kit, DNA, Streptococcus sanguinis
TKIT10038	TKIT10038M	DNA, Fungi Kingdom (including Yeast)	TKIT03005	TKIT03005M	RNA, Sudan Ebola virus
TKIT10055	TKIT10055M	RNA, Hand, foot and mouth disease	TKIT03006	TKIT03006M	RNA, Tai Forest Ebola virus
TKIT10033	TKIT10033M	RNA, All Human Enterovirus species	TKIT11042	TKIT11042M	DNA, Toxoplasma gondii
TKIT10065	TKIT10065M	RNA, Human Measles virus	TKIT10153	TKIT10153M	DNA, Trichodysplasia spinulosa polyomavirus
TKIT10080	TKIT10080M	QPCR Kit, DNA, Human Parvovirus B19	TKIT10148	TKIT10148M	DNA, Tsukamurella inchenensis
TKIT10081	TKIT10081M	DNA, Human polyomavirus 12	TKIT03002	TKIT03002M	RNA, Zaire ebola virus
TKIT10094	TKIT10094M	RNA, Human T-lymphotropic virus Type I			

Primers and probes provide highly specific, easy to interpret test results with sensitivity down to 10 copies.





Veterinary and Agriculture

Veterinary and agriculture kits are a fast growing part of the Prime Pro qPCR reagent range, currently addressing many challenges in the environment.

Without Mastermix	With Mastermix	Description			
Avian			TKIT08012	TKIT08012M	DNA, Tellurite resistant Escherichia coli
TKIT10002	TKIT10002M	DNA, Acinetobacter baumannii	Bovine		
TKIT11004	TKIT11004M	DNA, African Trypanosomiasis	TKIT11004	TKIT11004M	DNA, African Trypanosomiasis
TKIT11005	TKIT11005M	DNA, Aspergillus fumigatus	TKIT12001	TKIT12001M	DNA, Anaplasma centrale
TKIT12033	TKIT12033M	DNA, Avian adenovirus EDS76 Egg Drop Syndrome	TKIT12003	TKIT12003M	DNA, Anaplasma marginale
TKIT12055	TKIT12055M	QPCR Kit, RNA, Avian Infectious Bronchitis virus (IBV)	TKIT11007	TKIT11007M	DNA, Anaplasma phagocytophilum
TKIT12049	TKIT12049M	RNA, Avian Influenza A virus Subtype H5	TKIT12006	TKIT12006M	DNA, Babesia bigemina
TKIT12050	TKIT12050M	RNA, Avian Influenza A virus Subtype H6	TKIT12007	TKIT12007M	DNA, Babesia bovis
TKIT12051	TKIT12051M	RNA, Avian Influenza A virus Subtype H7	TKIT12013	TKIT12013M	DNA, Babesia divergens
TKIT11026	TKIT11026M	RNA, Avian Influenza A virus Subtype H7N9	TKIT03001	TKIT03001M	DNA, Bacillus anthracis
TKIT12052	TKIT12052M	RNA, Avian Influenza A virus Subtype H9	TKIT11002	TKIT11002M	DNA, Blastocystis genus (All species)
TKIT12004	TKIT12004M	RNA, Avian orthoreovirus	TKIT12017	TKIT12017M	RNA, Bluetongue virus
TKIT12014	TKIT12014M	DNA, Beak and Feather Disease virus	TKIT12018	TKIT12018M	RNA, Bluetongue virus 1
TKIT11002	TKIT11002M	DNA, Blastocystis genus (All species)	TKIT12019	TKIT12019M	RNA, Bluetongue virus 8
TKIT11001	TKIT11001M	DNA, Burkholderia mallei	TKIT12015	TKIT12015M	DNA, Bovine herpesvirus 1
TKIT11010	TKIT11010M	DNA, Burkholderia pseudomallei	TKIT12016	TKIT12016M	RNA, Bovine Leukemia virus
TKIT08004	TKIT08004M	DNA, Campylobacter Coli	TKIT12020	TKIT12020M	RNA, Bovine Viral Diarrhoea virus
TKIT08005	TKIT08005M	DNA, Campylobacter Jejuni	TKIT08001	TKIT08001M	DNA, Brucella abortus
TKIT12023	TKIT12023M	DNA, Chicken anemia virus	TKIT11012	TKIT11012M	DNA, Campylobacter fetus
TKIT11017	TKIT11017M	DNA, Chlamydophila psittaci	TKIT11013	TKIT11013M	DNA, Campylobacter fetus subspecies venerialis
TKIT12030	TKIT12030M	DNA, Columbidae herpes virus 1	TKIT08005	TKIT08005M	DNA, Campylobacter Jejuni
TKIT08002	TKIT08002M	DNA, Coxiella burnetii	TKIT11011	TKIT11011M	DNA, Chlamydophila abortus
TKIT11018	TKIT11018M	DNA, Cryptosporidium	TKIT11017	TKIT11017M	DNA, Chlamydophila psittaci
TKIT12032	TKIT12032M	DNA, Duck Hepatitis B virus	TKIT08002	TKIT08002M	DNA, Coxiella burnetii
TKIT11021	TKIT11021M	DNA, Enterocytozoon bienersi	TKIT08006	TKIT08006M	RNA, Crimean-Congo Haemorrhagic Fever virus
TKIT08008	TKIT08008M	DNA, Escherichia coli	TKIT11018	TKIT11018M	DNA, Cryptosporidium
TKIT08007	TKIT08007M	DNA, Escherichia coli O157:H7	TKIT11022	TKIT11022M	DNA, All Encephalitozoon species
TKIT12045	TKIT12045M	DNA, Fowlpox virus	TKIT11021	TKIT11021M	DNA, Enterocytozoon bienersi
TKIT12046	TKIT12046M	DNA, Gallid herpesvirus 1	TKIT08008	TKIT08008M	DNA, Escherichia coli
TKIT12047	TKIT12047M	DNA, Gallid herpesvirus 2	TKIT08009	TKIT08009M	DNA, Escherichia coli O104:H4
TKIT11025	TKIT11025M	RNA, Bird flu H5N1	TKIT12044	TKIT12044M	RNA, Foot and Mouth Disease virus
TKIT11026	TKIT11026M	RNA, Avian Influenza A virus Subtype H7N9	TKIT08015	TKIT08015M	DNA, Giardia intestinalis
TKIT12054	TKIT12054M	RNA, Infectious Bursal Disease virus (IBDV)	TKIT11027	TKIT11027M	DNA, Leptospirosis
TKIT08016	TKIT08016M	DNA, Listeria monocytogenes	TKIT08017	TKIT08017M	DNA, Mycobacterium avium subspecies paratuberculosis
TKIT12064	TKIT12064M	DNA, Microsporium gypseum	TKIT12058	TKIT12058M	DNA, Mycoplasma bovis
TKIT11044	TKIT11044M	DNA, Mycobacterium avium	TKIT12067	TKIT12067M	DNA, Mycoplasma mycoides cluster
TKIT10106	TKIT10106M	DNA, Mycobacterium leprae & Mycobacterium lepromatosis	TKIT11029	TKIT11029M	DNA, Pasteurella multocida
TKIT12063	TKIT12063M	DNA, Mycoplasma gallisepticum	TKIT11030	TKIT11030M	RNA, Rabies virus
TKIT12069	TKIT12069M	RNA, Newcastle disease virus	TKIT03004	TKIT03004M	RNA, Rift Valley Fever virus
TKIT12071	TKIT12071M	DNA, Ornithobacterium rhinotracheale	TKIT11031	TKIT11031M	RNA, Rotavirus A
TKIT11029	TKIT11029M	DNA, Pasteurella multocida	TKIT11032	TKIT11032M	RNA, Rotavirus B
TKIT03004	TKIT03004M	RNA, Rift Valley Fever virus	TKIT11033	TKIT11033M	RNA, Rotavirus C
TKIT11031	TKIT11031M	RNA, Rotavirus A	TKIT08011	TKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli
TKIT11032	TKIT11032M	RNA, Rotavirus B	TKIT11034	TKIT11034M	DNA, Streptococcus agalactiae
TKIT11033	TKIT11033M	RNA, Rotavirus C	TKIT08012	TKIT08012M	DNA, Tellurite resistant Escherichia coli
TKIT08018	TKIT08018M	DNA, Salmonella enterica	TKIT12078	TKIT12078M	DNA, Theileria annulata
TKIT05001	TKIT05001M	DNA, All pathogenic Salmonella species	TKIT12084	TKIT12084M	DNA, Theileria mutans
TKIT08010	TKIT08010M	DNA, Shiga toxin (stx1) producing Escherichia coli	TKIT12085	TKIT12085M	DNA, Theileria parva
TKIT08011	TKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli	TKIT12083	TKIT12083M	DNA, Trichophyton mentagrophytes
			TKIT12082	TKIT12082M	DNA, Trichomonas foetus
			TKIT12081	TKIT12081M	DNA, Trypanosoma evansi

Without Mastermix	With Mastermix	Description
TKIT11043	TKIT11043M	RNA, Wesselsbron virus
Ovine/caprine		
TKIT11004	TKIT11004M	DNA, African Trypanosomiasis
TKIT12003	TKIT12003M	DNA, Anaplasma marginale
TKIT11007	TKIT11007M	DNA, Anaplasma phagocytophilum
TKIT11002	TKIT11002M	DNA, Blastocystis genus (All species)
TKIT12017	TKIT12017M	RNA, Bluetongue virus
TKIT12018	TKIT12018M	RNA, Bluetongue virus 1
TKIT12019	TKIT12019M	RNA, Bluetongue virus 8
TKIT11012	TKIT11012M	DNA, Campylobacter fetus
TKIT11013	TKIT11013M	DNA, Campylobacter fetus subspecies venerialis
TKIT12022	TKIT12022M	DNA, Capripoxvirus
TKIT11019	TKIT11019M	DNA, Clostridium tetani
TKIT08002	TKIT08002M	DNA, Coxiella burnetii
TKIT08006	TKIT08006M	RNA, Crimean-Congo Haemorrhagic Fever virus
TKIT11018	TKIT11018M	DNA, Cryptosporidium
TKIT11021	TKIT11021M	DNA, Enterocytozoon bienersi
TKIT08008	TKIT08008M	DNA, Escherichia coli
TKIT08009	TKIT08009M	DNA, Escherichia coli O104:H4
TKIT12044	TKIT12044M	RNA, Foot and Mouth Disease virus
TKIT11027	TKIT11027M	DNA, Leptospirosis
TKIT08016	TKIT08016M	DNA, Listeria monocytogenes
TKIT08017	TKIT08017M	DNA, Mycobacterium avium subspecies paratuberculosis
TKIT12067	TKIT12067M	DNA, Mycoplasma mycoides cluster
TKIT12073	TKIT12073M	RNA, Peste-des-petits-ruminants virus
TKIT03004	TKIT03004M	RNA, Rift Valley Fever virus
TKIT11031	TKIT11031M	RNA, Rotavirus A
TKIT11032	TKIT11032M	RNA, Rotavirus B
TKIT11033	TKIT11033M	RNA, Rotavirus C
TKIT08018	TKIT08018M	DNA, Salmonella enterica
TKIT05001	TKIT05001M	DNA, All pathogenic Salmonella species
TKIT12076	TKIT12076M	DNA, Sheep Poxvirus
TKIT08011	TKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli
TKIT11034	TKIT11034M	DNA, Streptococcus agalactiae
TKIT08012	TKIT08012M	DNA, Tellurite resistant Escherichia coli
TKIT11043	TKIT11043M	RNA, Wesselsbron virus
Equine		
TKIT04001	TKIT04001M	RNA, African Horse Sickness virus
TKIT11004	TKIT11004M	DNA, African Trypanosomiasis
TKIT12009	TKIT12009M	DNA, Babesia caballi
TKIT11002	TKIT11002M	DNA, Blastocystis genus
TKIT11011	TKIT11011M	DNA, Chlamydomonas abortus
TKIT11019	TKIT11019M	DNA, Clostridium tetani
TKIT11022	TKIT11022M	DNA, All Encephalitozoon species
TKIT11021	TKIT11021M	DNA, Enterocytozoon bienersi
TKIT12035	TKIT12035M	DNA, Equid Herpesvirus 1
TKIT12036	TKIT12036M	DNA, Equid Herpesvirus 3
TKIT12037	TKIT12037M	DNA, Equid Herpesvirus 4
TKIT12038	TKIT12038M	RNA, Equine infectious anemia virus
TKIT12044	TKIT12044M	RNA, Foot and Mouth Disease virus
TKIT11027	TKIT11027M	DNA, Leptospirosis
TKIT11030	TKIT11030M	RNA, Rabies virus
TKIT03004	TKIT03004M	RNA, Rift Valley Fever virus
TKIT11031	TKIT11031M	RNA, Rotavirus A
TKIT11032	TKIT11032M	RNA, Rotavirus B
TKIT11034	TKIT11034M	DNA, Streptococcus agalactiae
TKIT12095	TKIT12095M	DNA, Strongylus vulgaris
TKIT12079	TKIT12079M	DNA, Theileria equi
TKIT12080	TKIT12080M	DNA, Trypanosoma equiperdum
TKIT12081	TKIT12081M	DNA, Trypanosoma evansi
TKIT11043	TKIT11043M	RNA, Wesselsbron virus
Feline		
TKIT11004	TKIT11004M	DNA, African Trypanosomiasis
TKIT11003	TKIT11003M	DNA, Ancylostoma duodenale

Without Mastermix	With Mastermix	Description
TKIT11009	TKIT11009M	DNA, Bartonella henselae
TKIT12009	TKIT12009M	DNA, Babesia caballi
TKIT11002	TKIT11002M	DNA, Blastocystis genus
TKIT12008	TKIT12008M	DNA, Bordetella Bronchiseptica & Bordetella Parapertussis
TKIT12025	TKIT12025M	DNA, Chlamydomonas felis
TKIT11022	TKIT11022M	DNA, All Encephalitozoon species
TKIT11021	TKIT11021M	DNA, Enterocytozoon bienersi
TKIT12039	TKIT12039M	RNA, Feline coronavirus
TKIT12040	TKIT12040M	RNA, Feline calicivirus
TKIT12042	TKIT12042M	DNA, Feline Herpesvirus
TKIT12043	TKIT12043M	RNA, Feline Immunodeficiency virus
TKIT12041	TKIT12041M	RNA, Feline Leukemia virus
TKIT11023	TKIT11023M	DNA, Geosmithia argillacea
TKIT08015	TKIT08015M	DNA, Giardia intestinalis
TKIT11027	TKIT11027M	DNA, Leptospirosis
TKIT12064	TKIT12064M	DNA, Microsporium gypseum
TKIT12062	TKIT12062M	DNA, Mycoplasma felis
TKIT12065	TKIT12065M	DNA, Mycoplasma haemofelis
TKIT11029	TKIT11029M	DNA, Pasteurella multocida
TKIT11031	TKIT11031M	RNA, Rotavirus A
TKIT11032	TKIT11032M	RNA, Rotavirus B
TKIT11033	TKIT11033M	RNA, Rotavirus C
TKIT11035	TKIT11035M	RNA, SARS coronavirus
TKIT11034	TKIT11034M	DNA, Streptococcus agalactiae
TKIT11042	TKIT11042M	DNA, Toxoplasma gondii
TKIT12083	TKIT12083M	DNA, Trichophyton mentagrophytes
TKIT12082	TKIT12082M	DNA, Trichomonas foetus
Canine		
TKIT11004	TKIT11004M	DNA, African Trypanosomiasis
TKIT11003	TKIT11003M	DNA, Ancylostoma duodenale
TKIT11005	TKIT11005M	DNA, Aspergillus fumigatus
TKIT11002	TKIT11002M	DNA, Blastocystis genus
TKIT12008	TKIT12008M	DNA, Bordetella Bronchiseptica & Bordetella Parapertussis
TKIT12021	TKIT12021M	DNA, Canine Babesiosis
TKIT12024	TKIT12024M	RNA, Canine Distemper virus
TKIT12026	TKIT12026M	DNA, Canine herpes virus
TKIT12028	TKIT12028M	RNA, Canine Norovirus
TKIT12090	TKIT12090M	RNA, Canine parainfluenza virus
TKIT11019	TKIT11019M	DNA, Clostridium tetani
TKIT11022	TKIT11022M	DNA, All Encephalitozoon species
TKIT11021	TKIT11021M	DNA, Enterocytozoon bienersi
TKIT11023	TKIT11023M	DNA, Geosmithia argillacea
TKIT08015	TKIT08015M	DNA, Giardia intestinalis
TKIT10099	TKIT10099M	DNA, Leishmania infantum
TKIT11027	TKIT11027M	DNA, Leptospirosis
TKIT12059	TKIT12059M	DNA, Microsporium canis
TKIT12064	TKIT12064M	DNA, Microsporium gypseum
TKIT12062	TKIT12062M	DNA, Mycoplasma felis
TKIT12065	TKIT12065M	DNA, Mycoplasma haemofelis
TKIT12066	TKIT12066M	DNA, Mycoplasma species haemofelis & haemocanis
TKIT12068	TKIT12068M	DNA, Neospora caninum
TKIT11029	TKIT11029M	DNA, Pasteurella multocida
TKIT11030	TKIT11030M	RNA, Rabies virus
TKIT11031	TKIT11031M	RNA, Rotavirus A
TKIT11032	TKIT11032M	RNA, Rotavirus B
TKIT11033	TKIT11033M	RNA, Rotavirus C
TKIT11035	TKIT11035M	RNA, SARS coronavirus
TKIT11034	TKIT11034M	DNA, Streptococcus agalactiae
TKIT12083	TKIT12083M	DNA, Trichophyton mentagrophytes
Porcine		
TKIT11004	TKIT11004M	DNA, African Trypanosomiasis
TKIT11002	TKIT11002M	DNA, Blastocystis genus
TKIT08005	TKIT08005M	DNA, Campylobacter Jejuni

Without Mastermix	With Mastermix	Description
TKIT12092	TKIT12092M	DNA, Mycoplasma hyopneumoniae
TKIT12066	TKIT12066M	DNA, Mycoplasma species haemofelis & haemocanis
TKIT12093	TKIT12093M	DNA, Mycoplasma suis
TKIT12068	TKIT12068M	DNA, Neospora caninum
TKIT12088	TKIT12088M	DNA, Porcine circovirus 1
TKIT12072	TKIT12072M	DNA, Porcine circovirus 2
TKIT12074	TKIT12074M	RNA, Porcine Reproductive and Respiratory Syndrome virus
TKIT11029	TKIT11029M	DNA, Pasteurella multocida
TKIT11030	TKIT11030M	RNA, Rabies virus
TKIT11031	TKIT11031M	RNA, Rotavirus A
TKIT11032	TKIT11032M	RNA, Rotavirus B
TKIT11033	TKIT11033M	RNA, Rotavirus C
TKIT08018	TKIT08018M	DNA, Salmonella enterica
TKIT05001	TKIT05001M	DNA, All pathogenic Salmonella species
TKIT11034	TKIT11034M	DNA, Streptococcus agalactiae
TKIT08010	TKIT08010M	DNA, Shiga toxin (stx1) producing Escherichia coli
TKIT08011	TKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli
TKIT08012	TKIT08012M	DNA, Tellurite resistant Escherichia coli
TKIT11043	TKIT11043M	RNA, Wesselsbron virus
Piscean		
TKIT11006	TKIT11006M	DNA, Aeromonas hydrophila
TKIT12031	TKIT12031M	DNA, Cyprinid herpes virus 3
TKIT11021	TKIT11021M	DNA, Enterocytozoon bienersi
TKIT12048	TKIT12048M	RNA, Grass Carp Reovirus
TKIT12056	TKIT12056M	RNA, Infectious Hematopoietic Necrosis virus

Without Mastermix	With Mastermix	Description
TKIT12057	TKIT12057M	RNA, Infectious Pancreatic Necrosis virus
TKIT10111	TKIT10111M	DNA, Mycobacterium marinum and ulcerans
TKIT09001	TKIT09001M	DNA, Shewanella putrefaciens
TKIT12077	TKIT12077M	RNA, Spring Viremia of Carp virus
TKIT12087	TKIT12087M	RNA, Viral Hemorrhagic Septicemia virus
Others		
TKIT12002	TKIT12002M	DNA, Aleutian Disease virus
TKIT12012	TKIT12012M	DNA, Batrachochytrium dendrobatidis
TKIT12010	TKIT12010M	DNA, Botrytis cinerea
TKIT12089	TKIT12089M	DNA, Camelpox virus
TKIT12027	TKIT12027M	DNA, Clavibacter michiganensis subspecies michiganensis
TKIT11015	TKIT11015M	DNA, Cryptococcus neoformans
TKIT08003	TKIT08003M	DNA, Cyclospora cayetanensis
TKIT11020	TKIT11020M	RNA, Dobrava-Belgrade virus
TKIT12034	TKIT12034M	RNA, Epizootic Hemorrhagic Disease virus
TKIT08014	TKIT08014M	DNA, Francisella tularensis
TKIT12053	TKIT12053M	RNA, Israeli Acute Paralysis virus
TKIT12061	TKIT12061M	RNA, Maize Dwarf Mosaic virus
TKIT03005	TKIT03005M	RNA, Sudan Ebola virus
TKIT12075	TKIT12075M	RNA, Sugarcane Mosaic virus
TKIT03006	TKIT03006M	RNA, Tai Forest Ebola virus
TKIT12086	TKIT12086M	RNA, Vesivirus2117
TKIT04002	TKIT04002M	RNA, Slow Bee Paralysis virus
TKIT03002	TKIT03002M	RNA, Zaire ebola virus (with Mastermix)

Biothreat

A small list of detection kits aimed at detecting some particularly harmful viruses and bacteria such as Rift Valley Virus and E.coli 0157. If your test is not available contact PCRmax or your local dealer to enquire about getting a custom kit made for you.

Biothreat

TKIT03001	TKIT03001M	DNA, Bacillus anthracis
TKIT11001	TKIT11001M	DNA, Burkholderia mallei
TKIT11010	TKIT11010M	DNA, Burkholderia pseudomallei
TKIT11017	TKIT11017M	DNA, Chlamydomyces psittaci
TKIT07004	TKIT07004M	DNA, All Clostridium perfringens species
TKIT08002	TKIT08002M	DNA, Coxiella burnetii
TKIT11018	TKIT11018M	DNA, Cryptosporidium
TKIT08007	TKIT08007M	DNA, Escherichia coli 0157:H7
TKIT08014	TKIT08014M	DNA, Francisella tularensis
TKIT10044	TKIT10044M	RNA, H1N1 influenza
TKIT03004	TKIT03004M	RNA, Rift Valley Fever virus
TKIT02002	TKIT02002M	DNA, Toxigenic subspecies of Vibrio cholerae
TKIT12096	TKIT12096M	DNA, Vaccinia virus

Food and water

qPCR is the fastest and most accurate way to screen water and food for pathogens. Prime Pro qPCR reagents also facilitate speciation and allergen detection.

- Speciation of meat and fish
- Pathogen contamination
- Allergen detection
- GMO detection/quantification

Labelling of genetically modified organisms is now mandatory in many regions, including the European Union. To guarantee consumer choice between GM and non-GM products, screening of samples is performed by PCR amplification of regulatory sequences frequently introduced into genetically modified organisms. Cauliflower mosaic virus is commonly used as a means of GM detection



Without Mastermix	With Mastermix	Description	Without Mastermix	With Mastermix	Description
Meat Speciation kits					
TKIT06024	TKIT06024M	DNA, Bos taurus (bovine/beef)	TKIT06002	TKIT06002M	DNA, Clostridium estertheticum
TKIT06022	TKIT06022M	DNA, Bubalus bubalis (buffalo)	TKIT07005	TKIT07005M	DNA, Clostridium perfringens Types A&B
TKIT06032	TKIT06032M	DNA, Felis catus (cat)	TKIT07004	TKIT07004M	DNA, All Clostridium perfringens species
TKIT06033	TKIT06033M	DNA, Gallus gallus (chicken)	TKIT08002	TKIT08002M	DNA, Coxiella burnetii
TKIT06026	TKIT06026M	DNA, Capreolus capreolus (deer)	TKIT08006	TKIT08006M	RNA, Crimean-Congo Haemorrhagic Fever virus
TKIT06027	TKIT06027M	DNA, Canis familiaris (dog)	TKIT08003	TKIT08003M	DNA, Cyclospora cayetanensis
TKIT06030	TKIT06030M	DNA, Equus asinus (donkey)	TKIT06003	TKIT06003M	DNA, Dekkera bruxellensis
TKIT06021	TKIT06021M	DNA, Anas platyrhynchos (duck)	TKIT07006	TKIT07006M	DNA, Enterococcus faecalis
TKIT06028	TKIT06028M	DNA, Capra hircus (goat)	TKIT07007	TKIT07007M	QPCR Kit, DNA, Enterococcus faecium
TKIT06037	TKIT06037M	DNA, Melanogrammus aeglefinus (haddock)	TKIT08008	TKIT08008M	DNA, Escherichia coli
TKIT06031	TKIT06031M	DNA, Equus caballus (horse)	TKIT08007	TKIT08007M	DNA, Escherichia coli 0157:H7
TKIT06049	TKIT06049M	DNA, Struthio camelus (ostrich)	TKIT06004	TKIT06004M	DNA, Eubacteria Bacteria Domain
TKIT06050	TKIT06050M	DNA, Sus scrofa (pig/pork)	TKIT08014	TKIT08014M	DNA, Francisella tularensis
TKIT06042	TKIT06042M	DNA, Ovis aries (sheep)	TKIT08015	TKIT08015M	DNA, Giardia intestinalis
TKIT06038	TKIT06038M	DNA, Meleagris gallopavo (turkey)	TKIT07008	TKIT07008M	RNA, Hepatitis A virus
TKIT06043	TKIT06043M	DNA, Phacochoerus africanus (warthog)	TKIT07009	TKIT07009M	RNA, Hepatitis E virus
TKIT06052	TKIT06052M	DNA, Universal meat detection	TKIT07010	TKIT07010M	DNA, JC virus
Fish Speciation kits			TKIT10102	TKIT10102M	DNA, Legionella pneumophila
TKIT06045	TKIT06045M	DNA, Pleuronectes platessa (european plaice)	TKIT07012	TKIT07012M	DNA, All Legionella species
TKIT06037	TKIT06037M	DNA, Melanogrammus aeglefinus (haddock)	TKIT08016	TKIT08016M	DNA, Listeria monocytogenes
TKIT06022	TKIT06022M	DNA, Bubalus bubalis (buffalo)	TKIT08017	TKIT08017M	DNA, Mycobacterium avium subspecies paratuberculosis
TKIT06035	TKIT06035M	DNA, Gadus morhua (cod)	TKIT07014	TKIT07014M	DNA, All Naegleria species
TKIT06040	TKIT06040M	DNA, Merlangius merlangus (whiting)	TKIT07015	TKIT07015M	RNA, Norovirus genotypes 1 and 2
TKIT06048	TKIT06048M	DNA, Pollachius virens (pollock)	TKIT07016	TKIT07016M	DNA, Pseudomonas aeruginosa
TKIT06051	TKIT06051M	DNA, Universal fish detection	TKIT08018	TKIT08018M	DNA, Salmonella enterica
Allergens			TKIT05001	TKIT05001M	DNA, All pathogenic Salmonella species
TKIT06039	TKIT06039M	DNA, Macadamia integrifolia (Macadamia)	TKIT09001	TKIT09001M	DNA, Shewanella putrefaciens
TKIT06020	TKIT06020M	DNA, Anacardium occidentale (cashew)	TKIT08010	TKIT08010M	DNA, Shiga toxin (stx1) producing Escherichia coli
TKIT06047	TKIT06047M	DNA, Pistacia vera (pistacio)	TKIT08011	TKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli
TKIT06025	TKIT06025M	DNA, Corylus avellana (hazelnut)	TKIT07018	TKIT07018M	DNA, Shigella (All species)
TKIT06044	TKIT06044M	DNA, Prunus dulcis (almond)	TKIT07017	TKIT07017M	DNA, Simkania negevensis
TKIT06036	TKIT06036M	DNA, Juglans regia (walnut)	TKIT02001	TKIT02001M	DNA, Staphylococcus aureus
TKIT06046	TKIT06046M	DNA, Pisum Sativum (green pea)	TKIT08012	TKIT08012M	DNA, Tellurite resistant Escherichia coli
TKIT06018	TKIT06018M	DNA, Apium graveolens var. dulce (Celery)	TKIT02002	TKIT02002M	DNA, Toxigenic subspecies of Vibrio cholerae
Pathogen contamination			TKIT07019	TKIT07019M	DNA, All Vibrio cholerae subspecies
TKIT07002	TKIT07002M	DNA, Bacillus cereus E33	TKIT07020	TKIT07020M	DNA, All Vibrio species
TKIT07003	TKIT07003M	DNA, Brucella genus (All species)	TKIT02003	TKIT02003M	DNA, Yersinia enterocolitica
TKIT08004	TKIT08004M	DNA, Campylobacter Coli	Others		
TKIT08005	TKIT08005M	DNA, Campylobacter Jejuni	TKIT07001	TKIT07001M	DNA, Bifidobacterium bifidum
			TKIT06001	TKIT06001M	DNA, Bifidobacterium longum
			TKIT06015	TKIT06015M	DNA, Lactobacillus plantarum



Do more with less with Techne Prime Pro 48



48 wells. Less DNA.

Due to lack of dependence on large sample volumes, the Techne Prime Pro 48 is validated for between 5-20ul meaning you can do more tests with your precious DNA sample and cut reagent costs in half.

48 wells. Less Waste.

Due to patented thermal technology and 5X higher uniformity than a typical 96 well system, there is no dependency on unnecessary replicates to mitigate poor system performance. This means less sample waste and more valid experiments.

48 wells. Less time.

A single peltier and low block mass enables fast ramp rates. Comfortably perform 40 cycles in 40 minutes. Zero settle time is required to hit precise temperatures allowing optimised 40 cycle runs in 20 minutes. Process more samples per day than a typical 96 well qPCR system which can take 80 minutes per run.

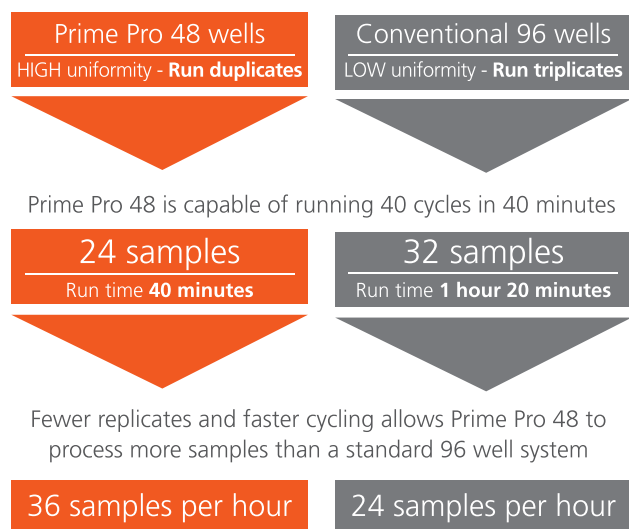
Get more for less...

- Higher uniformity than a 96 well system
- Higher quality data than a 96 well system
- Higher throughput than a 96 well system
- Faster ramp rate than a 96 well system
- Shorter run times than a 96 well system
- Use less DNA than a 96 well system
- Needs fewer replicates than a 96 well system
- Lower running costs than a 96 well system
- Lower price than a 96 well system

...with a 48 well block

Duplicates vs Triplicates

$\pm 0.1^{\circ}\text{C}$ uniformity means Prime Pro 48 requires fewer replicates than a conventional 96 well system



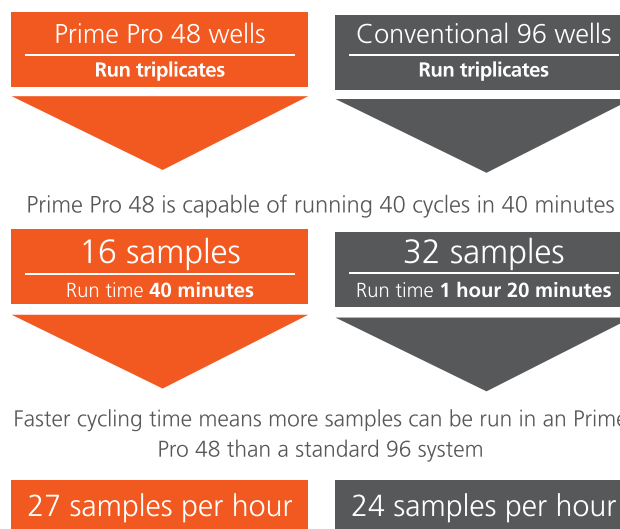
Fewer replicates and faster cycling allows Prime Pro 48 to process more samples than a standard 96 well system

Results from multiple instruments can be combined

More Less

Triplicates vs Triplicates

Even when running the same plate set up you can do more with Prime Pro 48



Faster cycling time means more samples can be run in an Prime Pro 48 than a standard 96 system

Results from multiple instruments can be combined

More Less

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