



PCR<sup>max</sup>

A Bibby Scientific Company

Delta Seek  

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qPCR Reagent Kits

Speed. Confidence. Value. Sensitivity. Performance.



## DeltaSeek kits from PCRmax

The Delta Seek detection kits utilise the sensitivity and speed of qPCR to get the most accurate data as quickly as possible. Each kit is specifically designed by our bioinformatics team to ensure the broadest possible detection profile and detection of all clinically relevant strains and subtypes. All test kits are validated in house on multiple qPCR platforms to ensure cross platform functionality.

Kits come with sufficient controls to reduce the chances of making the wrong call and positive copy number standard to allow for easy quantification. Delta Seek kits can also be generated specifically for your test of interest. If the kit is not in our database currently we can easily make the kit you wish if sequence data is available.

## DNA Kits

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

Plate setup includes:

1. Internal control DNA (read through VIC) and samples (read through FAM).
2. Beta-actin endogenous control (read through VIC).
3. Positive control, also used for standard curve (read through FAM).
4. Negative control (read through FAM).

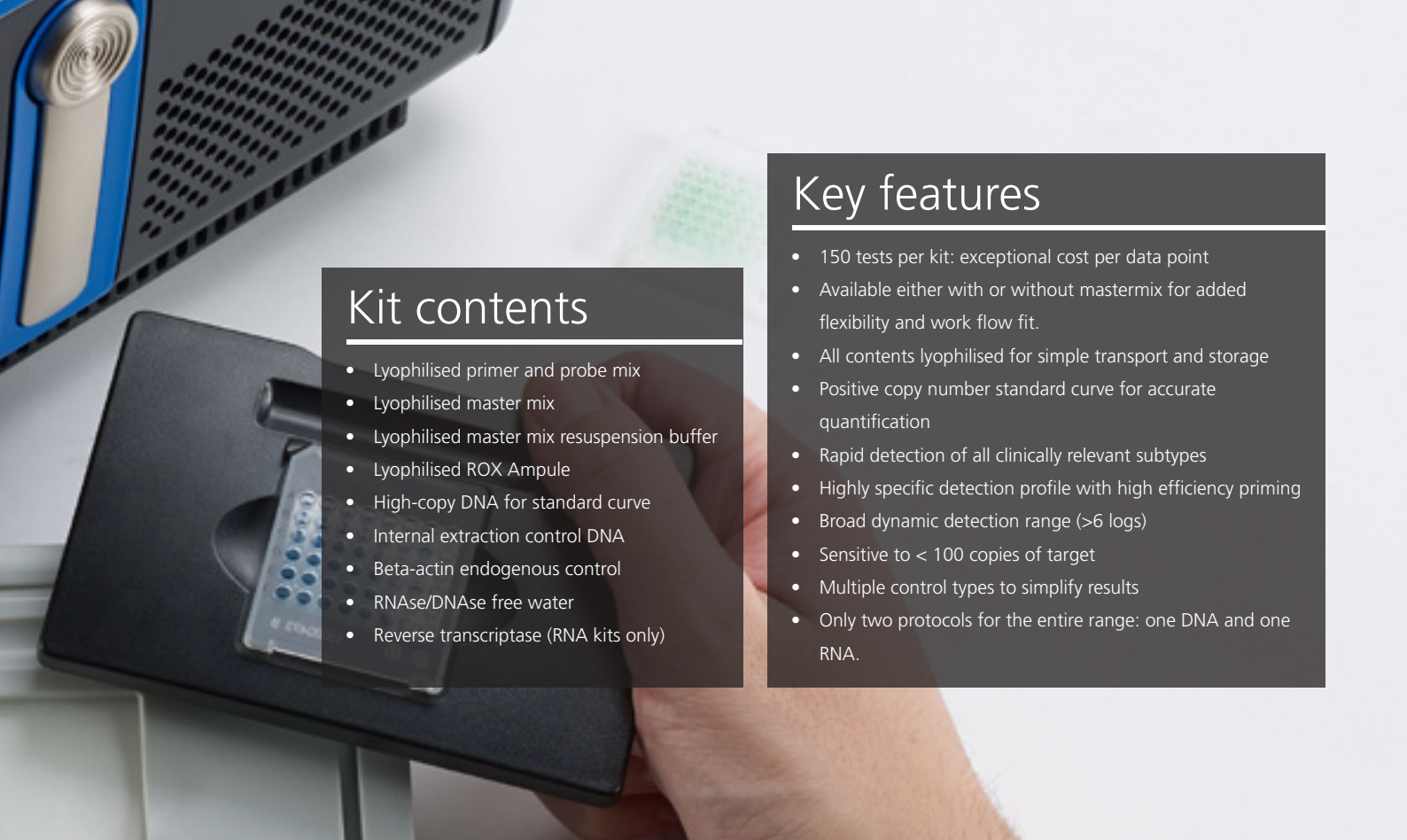
## DNA Protocol

	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 pathogen and beta-actin 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
-	-	-	-	Experiment fail
+	+	+	+	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)

## Key features

- 150 tests per kit: exceptional cost per data point
- Available either with or without mastermix for added flexibility and work flow fit.
- All contents lyophilised for simple transport and storage
- Positive copy number standard curve for accurate quantification
- Rapid detection of all clinically relevant subtypes
- Highly specific detection profile with high efficiency priming
- Broad dynamic detection range (>6 logs)
- Sensitive to < 100 copies of target
- Multiple control types to simplify results
- Only two protocols for the entire range: one DNA and one RNA.

## RNA Kits

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

Plate setup includes:

1. Internal control DNA (read through VIC) and samples (read through FAM).
2. Beta-actin endogenous control (read through VIC).
3. Positive control, also used for standard curve (read through FAM).
4. Negative control (read through FAM).

## 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 pathogen and beta-actin 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
-	-	-	-	Experiment fail
+	+	+	+	Experiment fail



# Human pathogens

The Human Pathogen section of the Delta Seek range can be further divided into sub categories, see below, within these sub divisions lie the most commonly requested and tested infections and diseases.

If your test is not available contact PCRmax or your local dealer to enquire about getting a custom kit made for you.

Without Mastermix	With Mastermix	Description
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## Respiratory Infections

PTKIT10005	PTKIT10005M	DNA, Adenovirus Type B
PTKIT10006	PTKIT10006M	DNA, Adenovirus Type C
PTKIT10007	PTKIT10007M	DNA, Adenovirus Type F&G
PTKIT10003	PTKIT10003M	DNA, Ajellomyces capsulata
PTKIT11016	PTKIT11016M	DNA, Chlamydomyces pneumoniae
PTKIT11017	PTKIT11017M	DNA, Chlamydomyces psittaci
PTKIT11015	PTKIT11015M	DNA, Cryptococcus neoformans
PTKIT10028	PTKIT10028M	DNA, Enterobacter cloacae
PTKIT11023	PTKIT11023M	DNA, Geosmithia argillacea
PTKIT10044	PTKIT10044M	RNA, H1N1 influenza
PTKIT11026	PTKIT11026M	RNA, Avian Influenza A virus Subtype H7N9
PTKIT10040	PTKIT10040M	DNA, Haemophilus influenzae
PTKIT10046	PTKIT10046M	DNA, Human Bocavirus genomes
PTKIT10049	PTKIT10049M	RNA, All Group 1 Coronavirus genomes
PTKIT10050	PTKIT10050M	RNA, All Group 2 Coronavirus genomes
PTKIT10035	PTKIT10035M	RNA, Influenza Type A M1
PTKIT10036	PTKIT10036M	RNA, Human Influenza Type A M2
PTKIT10043	PTKIT10043M	RNA, Human Influenza A virus Subtype H1
PTKIT10045	PTKIT10045M	RNA, Human Influenza A virus Subtype H3
PTKIT10037	PTKIT10037M	RNA, Human Influenza Type B
PTKIT10064	PTKIT10064M	RNA, Human Metapneumovirus
PTKIT10066	PTKIT10066M	RNA, Human Parainfluenza virus Type 1
PTKIT10067	PTKIT10067M	RNA, Human Parainfluenza virus Type 2
PTKIT10068	PTKIT10068M	RNA, Human Parainfluenza virus Type 3
PTKIT10069	PTKIT10069M	RNA, Human Parainfluenza virus Type 4A
PTKIT10070	PTKIT10070M	RNA, Human Parainfluenza virus Type 4B
PTKIT10082	PTKIT10082M	DNA, Human Polyomavirus 6
PTKIT10083	PTKIT10083M	DNA, Human Polyomavirus 7
PTKIT10084	PTKIT10084M	DNA, Human Polyomavirus 9
PTKIT10085	PTKIT10085M	RNA, Human Rhinovirus Subtype 14
PTKIT10086	PTKIT10086M	RNA, Human Rhinovirus Subtype 16

PTKIT10087	PTKIT10087M	RNA, Human Rhinovirus Subtype 1B
PTKIT10088	PTKIT10088M	RNA, Human Rhinovirus Subtype 29
PTKIT10089	PTKIT10089M	RNA, Human Rhinovirus Subtype 9
PTKIT10090	PTKIT10090M	RNA, Human Rhinovirus All subtypes (generic)
PTKIT10097	PTKIT10097M	DNA, Klebsiella pneumoniae
PKIT07012	PKIT07012M	DNA, All Legionella species
PTKIT10102	PTKIT10102M	DNA, Legionella pneumophila
PTKIT11027	PTKIT11027M	DNA, Leptospirosis
PTKIT10114	PTKIT10114M	DNA, Merkel cell polyomavirus
PTKIT10115	PTKIT10115M	DNA, Methicillin-resistant Staphylococcus aureus
PTKIT10108	PTKIT10108M	DNA, Moraxella catarrhalis
PKIT08017	PKIT08017M	DNA, Mycobacterium avium subspecies paratuberculosis
PKIT10113	PKIT10113M	DNA, Mycobacterium tuberculosis complex
PTKIT11044	PTKIT11044M	DNA, Mycobacterium avium
PTKIT10113	PTKIT10113M	DNA, Mycobacterium tuberculosis complex
PTKIT10112	PTKIT10112M	DNA, Mycoplasma pneumoniae
KIT10133	PTKIT10133M	RNA, Respiratory Syncytial virus
PTKIT10134	PTKIT10134M	RNA, Respiratory Syncytial virus A
PTKIT10135	PTKIT10135M	RNA, Respiratory Syncytial virus B
PTKIT11035	PTKIT11035M	RNA, SARS coronavirus
PTKIT10100	PTKIT10100M	DNA, Legionella longbeachae
PKIT07017	PKIT07017M	DNA, Simkania negevensis
PTKIT10155	PTKIT10155M	DNA, WU polyomavirus
PTKIT10098	PTKIT10098M	DNA, KI polyomavirus

## Sexually transmitted Infections

PTKIT10016	PTKIT10016M	DNA, Candida albicans
PTKIT10021	PTKIT10021M	DNA, Chlamydia trachomatis
PTKIT10039	PTKIT10039M	DNA, Haemophilus ducreyi
PKIT07008	PKIT07008M	RNA, Hepatitis A virus
PTKIT10047	PTKIT10047M	DNA, Hepatitis B virus
PTKIT10091	PTKIT10091M	DNA, Herpes simplex Type 1 (HHV1)
PTKIT10092	PTKIT10092M	DNA, Herpes simplex Type 1 and 2 (HHV1&2)
PTKIT10093	PTKIT10093M	DNA, Herpes simplex Type 2 (HHV2)

Without Mastermix	With Mastermix	Description
PTKIT10062	PTKIT10062M	RNA, Human Immunodeficiency virus Type 1
PTKIT10063	PTKIT10063M	RNA, Human Immunodeficiency virus Type 2
PTKIT10071	PTKIT10071M	DNA, Human Papillomavirus 11
PTKIT10072	PTKIT10072M	DNA, Human Papillomavirus 16
PTKIT10073	PTKIT10073M	DNA, Human Papillomavirus 18
PTKIT10074	PTKIT10074M	DNA, Human Papillomavirus 31
PTKIT10075	PTKIT10075M	DNA, Human Papillomavirus 33
PTKIT10076	PTKIT10076M	DNA, Human Papillomavirus 45
PTKIT10077	PTKIT10077M	DNA, Human Papillomavirus 52 and 52b
PTKIT10078	PTKIT10078M	DNA, Human Papillomavirus 58
PTKIT10079	PTKIT10079M	DNA, Human Papillomavirus 6
PTKIT10110	PTKIT10110M	DNA, Mycoplasma hominis
PTKIT10119	PTKIT10119M	DNA, Neisseria gonorrhoeae
PTKIT10149	PTKIT10149M	DNA, Treponema pallidum
PTKIT10150	PTKIT10150M	DNA, Trichomonas vaginalis
PTKIT10154	PTKIT10154M	DNA, Ureaplasma urealyticum

### Herpes viral Infections

PTKIT10024	PTKIT10024M	DNA, Cytomegalovirus (HHV5)
PTKIT10030	PTKIT10030M	DNA, Epstein Barr virus (HHV4)
PTKIT10091	PTKIT10091M	DNA, Herpes simplex Type 1 (HHV1)
PTKIT10092	PTKIT10092M	DNA, Herpes simplex Type 1 and 2 (HHV1&2)
PTKIT10093	PTKIT10093M	DNA, Herpes simplex Type 2 (HHV2)
PTKIT10057	PTKIT10057M	DNA, Human Herpesvirus 6
PTKIT10056	PTKIT10056M	DNA, Human Herpesvirus 3
PTKIT10058	PTKIT10058M	DNA, Human Herpesvirus 6 variant A
PTKIT10059	PTKIT10059M	DNA, Human Herpesvirus 6 variant B
PTKIT10060	PTKIT10060M	DNA, Human Herpesvirus 7
PTKIT10061	PTKIT10061M	DNA, Human Herpesvirus 8

### Hepatitis Infections

PKIT07008	PKIT07008M	RNA, Hepatitis A virus
PKIT10047	PKIT10047M	DNA, Hepatitis B virus
PTKIT10051	PTKIT10051M	RNA, Hepatitis C virus
PTKIT10054	PTKIT10054M	RNA, Hepatitis Delta virus
PKIT07009	PKIT07009M	RNA, Hepatitis E virus

### Human Papillomavirus

PTKIT10079	PTKIT10079M	DNA, Human Papillomavirus 6
PTKIT10071	PTKIT10071M	DNA, Human Papillomavirus 11
PTKIT10078	PTKIT10078M	DNA, Human Papillomavirus 58
PTKIT10072	PTKIT10072M	DNA, Human Papillomavirus 16
PTKIT10073	PTKIT10073M	DNA, Human Papillomavirus 18
PTKIT10075	PTKIT10075M	DNA, Human Papillomavirus 33
PTKIT10077	PTKIT10077M	DNA, Human Papillomavirus 52 and 52b
PTKIT10074	PTKIT10074M	DNA, Human Papillomavirus 31
PTKIT10076	PTKIT10076M	DNA, Human Papillomavirus 45

### Gastrointestinal infections

PTKIT11006	PTKIT11006M	DNA, Aeromonas hydrophila
PTKIT11003	PTKIT11003M	DNA, Ancylostoma duodenale
PKIT07001	PKIT07001M	DNA, Bifidobacterium bifidum
PKIT06001	PKIT06001M	DNA, Bifidobacterium longum
PTKIT11002	PTKIT11002M	DNA, Blastocystis genus (All species)
PKIT08004	PKIT08004M	DNA, Campylobacter Coli
PKIT08005	PKIT08005M	DNA, Campylobacter Jejuni
PKIT10016	PKIT10016M	DNA, Candida albicans
PKIT07004	PKIT07004M	DNA, All Clostridium perfringens species
PTKIT10017	PTKIT10017M	DNA, Clostridium difficile (toxin A)
PTKIT10018	PTKIT10018M	DNA, Clostridium difficile (toxin B)
PTKIT11018	PTKIT11018M	DNA, Cryptosporidium
PKIT08003	PKIT08003M	DNA, Cyclospora cayetanensis
PKIT07002	PKIT07002M	DNA, Bacillus cereus E33
PKIT10013	PKIT10013M	DNA, All Bacteroides species
PKIT10012	PKIT10012M	DNA, Balamuthia mandrillaris
PKIT10029	PKIT10029M	DNA, Entamoeba histolytica
PKIT10032	PKIT10032M	DNA, All Entamoeba species
PKIT10028	PKIT10028M	DNA, Enterobacter cloacae

PKIT10027	PKIT10027M	DNA, Enterococcus caseliflavus
PKIT07006	PKIT07006M	DNA, Enterococcus faecalis
PKIT07007	PKIT07007M	DNA, Enterococcus faecium
PKIT08013	PKIT08013M	DNA, Enteropathogenic Escherichia coli
PKIT08008	PKIT08008M	DNA, Escherichia coli
PKIT08007	PKIT08007M	DNA, Escherichia coli O157:H7
PKIT08009	PKIT08009M	DNA, Escherichia coli O104:H4
PKIT08015	PKIT08015M	DNA, Giardia intestinalis
PKIT10041	PKIT10041M	DNA, H Pylori
PKIT10046	PKIT10046M	DNA, Human Bocavirus
PKIT08016	PKIT08016M	DNA, Listeria monocytogenes
PKIT08016	PKIT08016M	DNA, Listeria monocytogenes
PTKIT11031	PTKIT11031M	RNA, Rotavirus A
PTKIT11032	PTKIT11032M	RNA, Rotavirus B
PTKIT11033	PTKIT11033M	RNA, Rotavirus C
PKIT08018	PKIT08018M	DNA, Salmonella enterica
PKIT08010	PKIT08010M	DNA, Shiga toxin (stx1) producing Escherichia coli
PKIT08011	KIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli
PKIT05001	PKIT05001M	DNA, All pathogenic Salmonella species
PKIT07020	PKIT07020M	DNA, All Vibrio species
PKIT02002	PKIT02002M	DNA, Toxigenic subspecies of Vibrio cholerae
PKIT07019	PKIT07019M	DNA, All Vibrio cholerae subspecies
PKIT02003	PKIT02003M	DNA, Yersinia enterocolitica
PTKIT10121	PTKIT10121M	DNA, Oxalobacter formigenes

### Vector-borne diseases

PTKIT11004	PTKIT11004M	DNA, African Trypanosomiasis
PTKIT11007	PTKIT11007M	DNA, Anaplasma phagocytophilum
PTKIT10008	PTKIT10008M	DNA, Borrelia afzelii
PTKIT10009	PTKIT10009M	DNA, Borrelia burgdorferi
PTKIT10011	PTKIT10011M	DNA, Borrelia garinii
PTKIT10023	PTKIT10023M	RNA, Chikungunya virus
PKIT08002	PKIT08002M	DNA, Coxiella burnetii
PKIT08006	PKIT08006M	DNA, Crimean-Congo Haemorrhagic Fever virus
PTKIT10025	PTKIT10025M	RNA, Dengue virus
PTKIT10026	PTKIT10026M	RNA, Dengue virus Type 3
PTKIT10031	KIT10031M	DNA, All Ehrlichia species
PKIT08014	PKIT08014M	DNA, Francisella tularensis
PKIT01001	PKIT01001M	QPCR Kit, RNA, Japanese Encephalitis virus
PTKIT10099	PTKIT10099M	DNA, Leishmania infantum and donovani
PTKIT10101	PTKIT10101M	DNA, Leishmania major
PTKIT10103	PTKIT10103M	DNA, Leishmania tropica
PTKIT10104	PTKIT10104M	DNA, Lactobacillus genus
PTKIT10105	PTKIT10105M	DNA, All Leishmania species
PTKIT10107	PTKIT10107M	DNA, Lyme disease
PKIT10122	PKIT10122M	DNA, Plasmodium falciparum
PTKIT10129	PTKIT10129M	DNA, Plasmodium ovale
PTKIT10130	PTKIT10130M	DNA, Plasmodium vivax
PTKIT10126	PTKIT10126M	DNA, Plasmodium knowlesi
PTKIT10127	PTKIT10127M	DNA, Plasmodium malariae
PKIT10131	PKIT10131M	DNA, All Plasmodium species
PTKIT10132	PTKIT10132M	DNA, Rickettsia (All species)
PTKIT10141	PTKIT10141M	RNA, Sandfly Fever Sicilian virus
PTKIT10152	PTKIT10152M	RNA, Tick-borne Encephalitis virus
PTKIT10145	PTKIT10145M	DNA, Trypanosoma cruzi
PKIT12080	PKIT12080M	DNA, Trypanosoma equiperdum
PTKIT11043	PTKIT11043M	RNA, Wesselsbron virus
PKIT01003	PKIT01003M	RNA, West Nile virus
PKIT01002	PKIT01002M	RNA, Western equine encephalomyelitis virus
PTKIT10156	PTKIT10156M	RNA, Yellow Fever virus

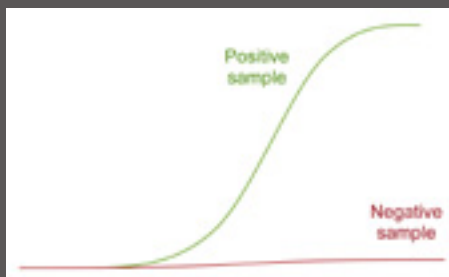
### Meningitis

PKIT10024	PKIT10024M	DNA, Cytomegalovirus (HHV5)
PTKIT10120	PTKIT10120M	DNA, All Neisseria meningitidis
PTKIT10033	PTKIT10033M	RNA, All Human Enterovirus species
PKIT10030	PKIT10030M	DNA, Epstein Barr virus (HHV4)
PKIT10040	PKIT10040M	DNA, Haemophilus influenzae
PKIT10091	PKIT10091M	DNA, Herpes simplex Type 1 (HHV1)
PKIT10092	PKIT10092M	DNA, Herpes simplex Type 1 and 2 (HHV1&2)
PKIT10093	PKIT10093M	DNA, Herpes simplex Type 2 (HHV2)
PKIT11027	PKIT11027M	DNA, Leptospirosis
PTKIT11038	PTKIT11038M	DNA, Streptococcus pneumoniae

Without Mastermix	With Mastermix	Description			
<b>Periodontal infections</b>					
PKIT10001	PKIT10001M	DNA, Aggregatibacter actinomycetemcomitans	PKIT10095	PKIT10095M	RNA, Human T-lymphotropic virus Type 2
PKIT10123	PKIT10123M	DNA, Porphyromonas gingivalis	PKIT10096	PKIT10096M	DNA, Klebsiella oxytoca
PKIT10124	PKIT10124M	DNA, Prevotella intermedia	PKIT10097	PKIT10097M	DNA, Klebsiella pneumoniae
PKIT10140	PKIT10140M	DNA, Streptococcus mutans	PKIT06015	PKIT06015M	DNA, Lactobacillus plantarum
PKIT11040	PKIT11040M	DNA, Streptococcus salivarius	PKIT07012	PKIT07012M	DNA, All Legionella species
PKIT10147	PKIT10147M	DNA, Tannerella forsythia	PKIT10107	PKIT10107M	DNA, Lyme disease
PKIT10146	PKIT10146M	DNA, Treponema denticola	PKIT10114	PKIT10114M	DNA, Merkel cell polyomavirus
<b>Others</b>			PKIT10115	PKIT10115M	DNA, Methicillin-resistant Staphylococcus aureus
PKIT10004	PKIT10004M	DNA, All Acanthamoeba species	PKIT10116	PKIT10116M	DNA, MRSA Staphylococcal cassette chromosome
PKIT10002	PKIT10002M	DNA, Acinetobacter baumannii	PKIT10117	PKIT10117M	DNA, MRSA (SCC mec) Type Iva
PKIT11005	PKIT11005M	DNA, Aspergillus fumigatus	PKIT10118	PKIT10118M	RNA, Mumps virus
PKIT11008	PKIT11008M	DNA, Aspergillus	PKIT10111	PKIT10111M	DNA, Mycobacterium marinum and ulcerans
PKIT03001	PKIT03001M	DNA, Bacillus anthracis	PKIT10110	PKIT10110M	DNA, Mycoplasma hominis
PKIT11009	PKIT11009M	DNA, Bartonella henselae	PKIT11028	PKIT11028M	DNA, Mycoplasma species
PKIT08001	PKIT08001M	DNA, Brucella abortus	PKIT07014	PKIT07014M	DNA, All Naegleria species
PKIT07003	PKIT07003M	DNA, Brucella genus (All species)	PKIT12070	PKIT12070M	DNA, Orf virus (Contagious pustular dermatitis)
PKIT10010	PKIT10010M	DNA, Burkholderia cepacia complex	PKIT10125	PKIT10125M	DNA, Pneumocystis jirovecii
PKIT11001	PKIT11001M	DNA, Burkholderia mallei (with Mastermix)	PKIT10128	PKIT10128M	DNA, Proteus mirabilis
PKIT11010	PKIT11010M	DNA, Burkholderia pseudomallei	PKIT07016	PKIT07016M	DNA, Pseudomonas aeruginosa
PKIT11012	PKIT11012M	DNA, Campylobacter fetus	PKIT11030	PKIT11030M	RNA, Rabies virus
PKIT11013	PKIT11013M	DNA, Campylobacter fetus subspecies venerealis	PKIT10136	PKIT10136M	RNA, Rubella virus
PKIT10022	PKIT10022M	RNA, Chaoyang virus	PKIT03003	PKIT03003M	RNA, Reston ebola virus
PKIT11011	PKIT11011M	DNA, Chlamydia abortus	PKIT10139	PKIT10139M	DNA, Serratia marcescens
PKIT10017	PKIT10017M	DNA, Clostridium difficile (toxin A)	PKIT10144	PKIT10144M	DNA, Simian virus 40
PKIT10018	PKIT10018M	DNA, Clostridium difficile (toxin B)	PKIT10142	PKIT10142M	RNA, Sin Nombre virus
PKIT11019	PKIT11019M	DNA, Clostridium tetani	PKIT10143	PKIT10143M	DNA, Saint Louis Polyomavirus
PKIT10019	PKIT10019M	DNA, Corynebacterium diphtheriae toxin A&B	PKIT02001	PKIT02001M	DNA, Staphylococcus aureus
PKIT11020	PKIT11020M	RNA, Dobrava-Belgrade virus	PKIT10137	PKIT10137M	DNA, Staphylococcus epidermidis
PKIT11021	PKIT11021M	DNA, Enterocytozoon bienewisi	PKIT10138	PKIT10138M	DNA, Staphylococcus haemolyticus
PKIT11022	PKIT11022M	DNA, All Encephalitozoon species	PKIT11034	PKIT11034M	DNA, Streptococcus agalactiae
PKIT08014	PKIT08014M	DNA, Francisella tularensis	PKIT11036	PKIT11036M	QPCR Kit, DNA, Streptococcus mitis
PKIT10038	PKIT10038M	DNA, Fungi Kingdom (including Yeast)	PKIT11037	PKIT11037M	DNA, Streptococcus oralis
PKIT10055	PKIT10055M	RNA, Hand, foot and mouth disease	PKIT11038	PKIT11038M	QPCR Kit, DNA, Streptococcus pneumoniae
PKIT10033	PKIT10033M	RNA, All Human Enterovirus species	PKIT11039	PKIT11039M	QPCR Kit, DNA, Streptococcus pyogenes
PKIT10065	PKIT10065M	RNA, Human Measles virus	PKIT11040	PKIT11040M	QPCR Kit, DNA, Streptococcus salivarius
PKIT10080	PKIT10080M	QPCR Kit, DNA, Human Parvovirus B19	PKIT11041	PKIT11041M	QPCR Kit, DNA, Streptococcus sanguinis
PKIT10081	PKIT10081M	DNA, Human polyomavirus 12	PKIT03005	PKIT03005M	RNA, Sudan Ebola virus
PKIT10094	PKIT10094M	RNA, Human T-lymphotropic virus Type I	PKIT03006	PKIT03006M	RNA, Tai Forest Ebola virus
			PKIT11042	PKIT11042M	DNA, Toxoplasma gondii
			PKIT10153	PKIT10153M	DNA, Trichodysplasia spinulosa polyomavirus
			PKIT10148	PKIT10148M	DNA, Tsukamurella inchenensis
			PKIT03002	PKIT03002M	RNA, Zaire ebola virus

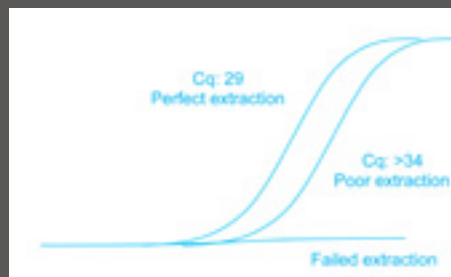
## High sensitivity

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



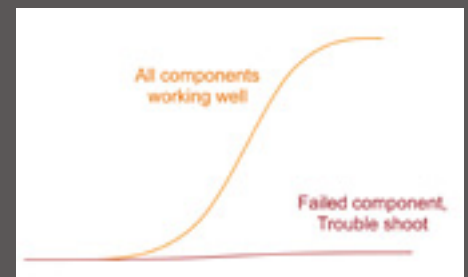
## Internal control

Internal extraction control confirms that the DNA extraction process was successful. Exogenous DNA is spiked into the lysis buffer.



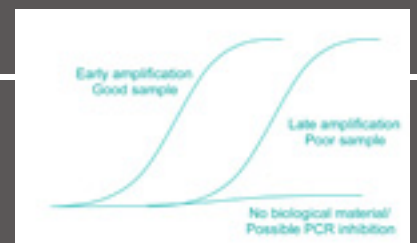
## Positive control

Positive control confirms all conditions and reagents are working well. A high-concentration standard is used as positive control.



## Endogenous control

- Endogenous control confirms quality of biological sample.
- Beta-actin confirms that a valid biological template was extracted.
- A primer and probe mix is included to detect Beta-actin through the VIC channel.
- Poor Beta-actin signal may indicate the sample did not contain sufficient biological material.







## Veterinary and Agriculture

Many topical and geographically important tests have been developed to allow producers and companion animal owners/veterinarians to screen animals quickly and with the high sensitivity of qPCR. Within the veterinary and agricultural range of pathogens detection kits are diseases and infections which can have significant economic impact. If your test is not available contact PCRmax or your local dealer to enquire about getting a custom kit made for you.

Without Mastermix	With Mastermix	Description			
			PKIT08012	PKIT08012M	DNA, Tellurite resistant Escherichia coli
<b>Avian</b>					
PKIT10002	PKIT10002M	DNA, Acinetobacter baumannii			
PKIT11004	PKIT11004M	DNA, African Trypanosomiasis			
PKIT11005	PKIT11005M	DNA, Aspergillus fumigatus			
PKIT12033	PKIT12033M	DNA, Avian adenovirus EDS76 Egg Drop Syndrome			
PKIT12055	PKIT12055M	QPCR Kit, RNA, Avian Infectious Bronchitis virus (IBV)			
PKIT12049	PKIT12049M	RNA, Avian Influenza A virus Subtype H5			
PKIT12050	PKIT12050M	RNA, Avian Influenza A virus Subtype H6			
PKIT12051	PKIT12051M	RNA, Avian Influenza A virus Subtype H7			
PKIT11026	PKIT11026M	RNA, Avian Influenza A virus Subtype H7N9			
PKIT12052	PKIT12052M	RNA, Avian Influenza A virus Subtype H9			
PKIT12004	PKIT12004M	RNA, Avian orthoreovirus			
PKIT12014	PKIT12014M	DNA, Beak and Feather Disease virus			
PKIT11002	PKIT11002M	DNA, Blastocystis genus (All species)			
PKIT11001	PKIT11001M	DNA, Burkholderia mallei			
PKIT11010	PKIT11010M	DNA, Burkholderia pseudomallei			
PKIT08004	PKIT08004M	DNA, Campylobacter Coli			
PKIT08005	PKIT08005M	DNA, Campylobacter Jejuni			
PKIT12023	PKIT12023M	DNA, Chicken anemia virus			
PKIT11017	PKIT11017M	DNA, Chlamydophila psittaci			
PKIT12030	PKIT12030M	DNA, Columbidae herpes virus 1			
PKIT08002	PKIT08002M	DNA, Coxiella burnetii			
PKIT11018	PKIT11018M	DNA, Cryptosporidium			
PKIT12032	PKIT12032M	DNA, Duck Hepatitis B virus			
PKIT11021	PKIT11021M	DNA, Enterocytozoon bienzei			
PKIT08008	PKIT08008M	DNA, Escherichia coli			
PKIT08007	PKIT08007M	DNA, Escherichia coli O157:H7			
PKIT12045	PKIT12045M	DNA, Fowlpox virus			
PKIT12046	PKIT12046M	DNA, Gallid herpesvirus 1			
PKIT12047	PKIT12047M	DNA, Gallid herpesvirus 2			
PKIT11025	PKIT11025M	RNA, Bird flu H5N1			
PKIT11026	PKIT11026M	RNA, Avian Influenza A virus Subtype H7N9			
PKIT12054	PKIT12054M	RNA, Infectious Bursal Disease virus (IBDV)			
PKIT08016	PKIT08016M	DNA, Listeria monocytogenes			
PKIT12064	PKIT12064M	DNA, Microsporium gypseum			
PKIT11044	PKIT11044M	DNA, Mycobacterium avium			
PKIT10106	PKIT10106M	DNA, Mycobacterium leprae & Mycobacterium lepromatosis			
PKIT12063	PKIT12063M	DNA, Mycoplasma gallisepticum			
PKIT12069	PKIT12069M	RNA, Newcastle disease virus			
PKIT12071	PKIT12071M	DNA, Ornithobacterium rhinotracheale			
PKIT11029	PKIT11029M	DNA, Pasteurella multocida			
PKIT03004	PKIT03004M	RNA, Rift Valley Fever virus			
PKIT11031	PKIT11031M	RNA, Rotavirus A			
PKIT11032	PKIT11032M	RNA, Rotavirus B			
PKIT11033	PKIT11033M	RNA, Rotavirus C			
PKIT08018	PKIT08018M	DNA, Salmonella enterica			
PKIT05001	PKIT05001M	DNA, All pathogenic Salmonella species			
PKIT08010	PKIT08010M	DNA, Shiga toxin (stx1) producing Escherichia coli			
PKIT08011	PKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli			
			PKIT11004	PKIT11004M	DNA, African Trypanosomiasis
			PKIT12001	PKIT12001M	DNA, Anaplasma centrale
			PKIT12003	PKIT12003M	DNA, Anaplasma marginale
			PKIT11007	PKIT11007M	DNA, Anaplasma phagocytophilum
			PKIT12006	PKIT12006M	DNA, Babesia bigemina
			PKIT12007	PKIT12007M	DNA, Babesia bovis
			PKIT12013	PKIT12013M	DNA, Babesia divergens
			PKIT03001	PKIT03001M	DNA, Bacillus anthracis
			PKIT11002	PKIT11002M	DNA, Blastocystis genus (All species)
			PKIT12017	PKIT12017M	RNA, Bluetongue virus
			PKIT12018	PKIT12018M	RNA, Bluetongue virus 1
			PKIT12019	PKIT12019M	RNA, Bluetongue virus 8
			PKIT12015	PKIT12015M	DNA, Bovine herpesvirus 1
			PKIT12016	PKIT12016M	RNA, Bovine Leukemia virus
			PKIT12020	PKIT12020M	RNA, Bovine Viral Diarrhoea virus
			PKIT08001	PKIT08001M	DNA, Brucella abortus
			PKIT11012	PKIT11012M	DNA, Campylobacter fetus
			PKIT11013	PKIT11013M	DNA, Campylobacter fetus subspecies venerialis
			PKIT08005	PKIT08005M	DNA, Campylobacter Jejuni
			PKIT11011	PKIT11011M	DNA, Chlamydophila abortus
			PKIT11017	PKIT11017M	DNA, Chlamydophila psittaci
			PKIT08002	PKIT08002M	DNA, Coxiella burnetii
			PKIT08006	PKIT08006M	RNA, Crimean-Congo Haemorrhagic Fever virus
			PKIT11018	PKIT11018M	DNA, Cryptosporidium
			PKIT11022	PKIT11022M	DNA, All Encephalitozoon species
			PKIT11021	PKIT11021M	DNA, Enterocytozoon bienzei
			PKIT08008	PKIT08008M	DNA, Escherichia coli
			PKIT08009	PKIT08009M	DNA, Escherichia coli O104:H4
			PKIT12044	PKIT12044M	RNA, Foot and Mouth Disease virus
			PKIT08015	PKIT08015M	DNA, Giardia intestinalis
			PKIT11027	PKIT11027M	DNA, Leptospirosis
			PKIT08017	PKIT08017M	DNA, Mycobacterium avium subspecies paratuberculosis
			PKIT12058	PKIT12058M	DNA, Mycoplasma bovis
			PKIT12067	PKIT12067M	DNA, Mycoplasma mycoides cluster
			PKIT11029	PKIT11029M	DNA, Pasteurella multocida
			PKIT11030	PKIT11030M	RNA, Rabies virus
			PKIT03004	PKIT03004M	RNA, Rift Valley Fever virus
			PKIT11031	PKIT11031M	RNA, Rotavirus A
			PKIT11032	PKIT11032M	RNA, Rotavirus B
			PKIT11033	PKIT11033M	RNA, Rotavirus C
			PKIT08011	PKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli
			PKIT11034	PKIT11034M	DNA, Streptococcus agalactiae
			PKIT08012	PKIT08012M	DNA, Tellurite resistant Escherichia coli
			PKIT12078	PKIT12078M	DNA, Theileria annulata
			PKIT12084	PKIT12084M	DNA, Theileria mutans
			PKIT12085	PKIT12085M	DNA, Theileria parva
			PKIT12083	PKIT12083M	DNA, Trichophyton mentagrophytes
			PKIT12082	PKIT12082M	DNA, Tritrichomonas foetus
			PKIT12081	PKIT12081M	DNA, Trypanosoma evansi

Without Mastermix	With Mastermix	Description	Without Mastermix	With Mastermix	Description
PKIT11043	PKIT11043M	RNA, Wesselsbron virus	PKIT11009	PKIT11009M	DNA, Bartonella henselae
<b>Ovine/caprine</b>			PKIT12009	PKIT12009M	DNA, Babesia caballi
PKIT11004	PKIT11004M	DNA, African Trypanosomiasis	PKIT11002	PKIT11002M	DNA, Blastocystis genus
PKIT12003	PKIT12003M	DNA, Anaplasma marginale	PKIT12008	PKIT12008M	DNA, Bordetella Bronchiseptica & Bordetella Parapertussis
PKIT11007	PKIT11007M	DNA, Anaplasma phagocytophilum	PKIT12025	PKIT12025M	DNA, Chlamydomydia felis
PKIT11002	PKIT11002M	DNA, Blastocystis genus (All species)	PKIT11022	PKIT11022M	DNA, All Encephalitozoon species
PKIT12017	PKIT12017M	RNA, Bluetongue virus	PKIT11021	PKIT11021M	DNA, Enterocytozoon bienewisi
PKIT12018	PKIT12018M	RNA, Bluetongue virus 1	PKIT12039	PKIT12039M	RNA, Feline coronavirus
PKIT12019	PKIT12019M	RNA, Bluetongue virus 8	PKIT12040	PKIT12040M	RNA, Feline calicivirus
PKIT11012	PKIT11012M	DNA, Campylobacter fetus	PKIT12042	PKIT12042M	DNA, Feline Herpesvirus
PKIT11013	PKIT11013M	DNA, Campylobacter fetus subspecies venerealis	PKIT12043	PKIT12043M	RNA, Feline Immunodeficiency virus
PKIT12022	PKIT12022M	DNA, Capripoxvirus	PKIT12041	PKIT12041M	RNA, Feline Leukemia virus
PKIT11019	PKIT11019M	DNA, Clostridium tetani	PKIT11023	PKIT11023M	DNA, Geosmithia argillacea
PKIT08002	PKIT08002M	DNA, Coxiella burnetii	PKIT08015	PKIT08015M	DNA, Giardia intestinalis
PKIT08006	PKIT08006M	RNA, Crimean-Congo Haemorrhagic Fever virus	PKIT11027	PKIT11027M	DNA, Leptospirosis
PKIT11018	PKIT11018M	DNA, Cryptosporidium	PKIT12064	PKIT12064M	DNA, Microsporium gypseum
PKIT11021	PKIT11021M	DNA, Enterocytozoon bienewisi	PKIT12062	PKIT12062M	DNA, Mycoplasma felis
PKIT08008	PKIT08008M	DNA, Escherichia coli	PKIT12065	PKIT12065M	DNA, Mycoplasma haemofelis
PKIT08009	PKIT08009M	DNA, Escherichia coli O104:H4	PKIT11029	PKIT11029M	DNA, Pasteurella multocida
PKIT12044	PKIT12044M	RNA, Foot and Mouth Disease virus	PKIT11031	PKIT11031M	RNA, Rotavirus A
PKIT11027	PKIT11027M	DNA, Leptospirosis	PKIT11032	PKIT11032M	RNA, Rotavirus B
PKIT08016	PKIT08016M	DNA, Listeria monocytogenes	PKIT11033	PKIT11033M	RNA, Rotavirus C
PKIT08017	PKIT08017M	DNA, Mycobacterium avium subspecies paratuberculosis	PKIT11035	PKIT11035M	RNA, SARS coronavirus
PKIT12067	PKIT12067M	DNA, Mycoplasma mycoides cluster	PKIT11034	PKIT11034M	DNA, Streptococcus agalactiae
PKIT12073	PKIT12073M	RNA, Peste-des-petits-ruminants virus	PKIT11042	PKIT11042M	DNA, Toxoplasma gondii
PKIT03004	PKIT03004M	RNA, Rift Valley Fever virus	PKIT12083	PKIT12083M	DNA, Trichophyton mentagrophytes
PKIT11031	PKIT11031M	RNA, Rotavirus A	PKIT12082	PKIT12082M	DNA, Tritrichomonas foetus
PKIT11032	PKIT11032M	RNA, Rotavirus B	<b>Canine</b>		
PKIT11033	PKIT11033M	RNA, Rotavirus C	PKIT11004	PKIT11004M	DNA, African Trypanosomiasis
PKIT08018	PKIT08018M	DNA, Salmonella enterica	PKIT11003	PKIT11003M	DNA, Ancylostoma duodenale
PKIT05001	PKIT05001M	DNA, All pathogenic Salmonella species	PKIT11005	PKIT11005M	DNA, Aspergillus fumigatus
PKIT12076	PKIT12076M	DNA, Sheep Poxvirus	PKIT11002	PKIT11002M	DNA, Blastocystis genus
PKIT08011	PKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli	PKIT12008	PKIT12008M	DNA, Bordetella Bronchiseptica & Bordetella Parapertussis
PKIT11034	PKIT11034M	DNA, Streptococcus agalactiae	PKIT12021	PKIT12021M	DNA, Canine Babesiosis
PKIT08012	PKIT08012M	DNA, Tellurite resistant Escherichia coli	PKIT12024	PKIT12024M	RNA, Canine Distemper virus
PKIT11043	PKIT11043M	RNA, Wesselsbron virus	PKIT12026	PKIT12026M	DNA, Canine herpes virus
<b>Equine</b>			PKIT12028	PKIT12028M	RNA, Canine Norovirus
PKIT04001	PKIT04001M	RNA, African Horse Sickness virus	PKIT12090	PKIT12090M	RNA, Canine parainfluenza virus
PKIT11004	PKIT11004M	DNA, African Trypanosomiasis	PKIT11019	PKIT11019M	DNA, Clostridium tetani
PKIT12009	PKIT12009M	DNA, Babesia caballi	PKIT11022	PKIT11022M	DNA, All Encephalitozoon species
PKIT11002	PKIT11002M	DNA, Blastocystis genus	PKIT11021	PKIT11021M	DNA, Enterocytozoon bienewisi
PKIT11011	PKIT11011M	DNA, Chlamydomydia abortus	PKIT11023	PKIT11023M	DNA, Geosmithia argillacea
PKIT11019	PKIT11019M	DNA, Clostridium tetani	PKIT08015	PKIT08015M	DNA, Giardia intestinalis
PKIT11022	PKIT11022M	DNA, All Encephalitozoon species	PKIT10099	PKIT10099M	DNA, Leishmania infantum
PKIT11021	PKIT11021M	DNA, Enterocytozoon bienewisi	PKIT11027	PKIT11027M	DNA, Leptospirosis
PKIT12035	PKIT12035M	DNA, Equid Herpesvirus 1	PKIT12059	PKIT12059M	DNA, Microsporium canis
PKIT12036	PKIT12036M	DNA, Equid Herpesvirus 3	PKIT12064	PKIT12064M	DNA, Microsporium gypseum
PKIT12037	PKIT12037M	DNA, Equid Herpesvirus 4	PKIT12062	PKIT12062M	DNA, Mycoplasma felis
PKIT12038	PKIT12038M	RNA, Equine infectious anemia virus	PKIT12065	PKIT12065M	DNA, Mycoplasma haemofelis
PKIT12044	PKIT12044M	RNA, Foot and Mouth Disease virus	PKIT12066	PKIT12066M	DNA, Mycoplasma species haemofelis & haemocanis
PKIT11027	PKIT11027M	DNA, Leptospirosis	PKIT12068	PKIT12068M	DNA, Neospora caninum
PKIT11030	PKIT11030M	RNA, Rabies virus	PKIT11029	PKIT11029M	DNA, Pasteurella multocida
PKIT03004	PKIT03004M	RNA, Rift Valley Fever virus	PKIT11030	PKIT11030M	RNA, Rabies virus
PKIT11031	PKIT11031M	RNA, Rotavirus A	PKIT11031	PKIT11031M	RNA, Rotavirus A
PKIT11032	PKIT11032M	RNA, Rotavirus B	PKIT11032	PKIT11032M	RNA, Rotavirus B
PKIT11034	PKIT11034M	DNA, Streptococcus agalactiae	PKIT11033	PKIT11033M	RNA, Rotavirus C
PKIT12095	PKIT12095M	DNA, Strongylus vulgaris	PKIT11035	PKIT11035M	RNA, SARS coronavirus
PKIT12079	PKIT12079M	DNA, Theileria equi	PKIT11034	PKIT11034M	DNA, Streptococcus agalactiae
PKIT12080	PKIT12080M	DNA, Trypanosoma equiperdum	PKIT12083	PKIT12083M	DNA, Trichophyton mentagrophytes
PKIT12081	PKIT12081M	DNA, Trypanosoma evansi	<b>Porcine</b>		
PKIT11043	PKIT11043M	RNA, Wesselsbron virus	PKIT11004	PKIT11004M	DNA, African Trypanosomiasis
<b>Feline</b>			PKIT11002	PKIT11002M	DNA, Blastocystis genus
PKIT11004	PKIT11004M	DNA, African Trypanosomiasis	PKIT08005	PKIT08005M	DNA, Campylobacter Jejuni
PKIT11003	PKIT11003M	DNA, Ancylostoma duodenale			



Without Mastermix	With Mastermix	Description
PKIT12092	PKIT12092M	DNA, Mycoplasma hyopneumoniae
PKIT12066	PKIT12066M	DNA, Mycoplasma species haemofelis & haemocanis
PKIT12093	PKIT12093M	DNA, Mycoplasma suis
PKIT12068	PKIT12068M	DNA, Neospora caninum
PKIT12088	PKIT12088M	DNA, Porcine circovirus 1
PKIT12072	PKIT12072M	DNA, Porcine circovirus 2
PKIT12074	PKIT12074M	RNA, Porcine Reproductive and Respiratory Syndrome virus
PKIT11029	PKIT11029M	DNA, Pasteurella multocida
PKIT11030	PKIT11030M	RNA, Rabies virus
PKIT11031	PKIT11031M	RNA, Rotavirus A
PKIT11032	PKIT11032M	RNA, Rotavirus B
PKIT11033	PKIT11033M	RNA, Rotavirus C
PKIT08018	PKIT08018M	DNA, Salmonella enterica
PKIT05001	PKIT05001M	DNA, All pathogenic Salmonella species
PKIT11034	PKIT11034M	DNA, Streptococcus agalactiae
PKIT08010	PKIT08010M	DNA, Shiga toxin (stx1) producing Escherichia coli
PKIT08011	PKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli
PKIT08012	PKIT08012M	DNA, Tellurite resistant Escherichia coli
PKIT11043	PKIT11043M	RNA, Wesselsbron virus
<b>Piscian</b>		
PKIT11006	PKIT11006M	DNA, Aeromonas hydrophila
PKIT12031	PKIT12031M	DNA, Cyprinid herpes virus 3
PKIT11021	PKIT11021M	DNA, Enterocytozoon bienaeus
PKIT12048	PKIT12048M	RNA, Grass Carp Reovirus
PKIT12056	PKIT12056M	RNA, Infectious Hematopoietic Necrosis virus

PKIT12057	PKIT12057M	RNA, Infectious Pancreatic Necrosis virus
PKIT10111	PKIT10111M	DNA, Mycobacterium marinum and ulcerans
PKIT09001	PKIT09001M	DNA, Shewanella putrefaciens
PKIT12077	PKIT12077M	RNA, Spring Viremia of Carp virus
PKIT12087	PKIT12087M	RNA, Viral Hemorrhagic Septicemia virus

#### Others

PKIT12002	PKIT12002M	DNA, Aleutian Disease virus
PKIT12012	PKIT12012M	DNA, Batrachochytrium dendrobatidis
PKIT12010	PKIT12010M	DNA, Botrytis cinerea
PKIT12089	PKIT12089M	DNA, Camelpox virus
PKIT12027	PKIT12027M	DNA, Clavibacter michiganensis subspecies michiganensis
PKIT11015	PKIT11015M	RNA, Cryptococcus neoformans
PKIT08003	PKIT08003M	DNA, Cyclospora cayetanensis
PKIT11020	PKIT11020M	RNA, Dobrava-Belgrade virus
PKIT12034	PKIT12034M	RNA, Epizootic Hemorrhagic Disease virus
PKIT08014	PKIT08014M	DNA, Francisella tularensis
PKIT12053	PKIT12053M	RNA, Israeli Acute Paralysis virus
PKIT12061	PKIT12061M	RNA, Maize Dwarf Mosaic virus
PKIT03005	PKIT03005M	RNA, Sudan Ebola virus
PKIT12075	PKIT12075M	RNA, Sugarcane Mosaic virus
PKIT03006	PKIT03006M	RNA, Tai Forest Ebola virus
PKIT12086	PKIT12086M	RNA, Vesivirus2117
PKIT04002	PKIT04002M	RNA, Slow Bee Paralysis virus
PKIT03002	PKIT03002M	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

PKIT03001	PKIT03001M	DNA, Bacillus anthracis
PKIT11001	PKIT11001M	DNA, Burkholderia mallei
PKIT11010	PKIT11010M	DNA, Burkholderia pseudomallei
PKIT11017	PKIT11017M	DNA, Chlamydomphila psittaci
PKIT07004	PKIT07004M	DNA, All Clostridium perfringens species
PKIT08002	PKIT08002M	DNA, Coxiella burnetii
PKIT11018	PKIT11018M	DNA, Cryptosporidium
PKIT08007	PKIT08007M	DNA, Escherichia coli 0157:H7
PKIT08014	PKIT08014M	DNA, Francisella tularensis
PKIT10044	PKIT10044M	RNA, H1N1 influenza
PKIT03004	PKIT03004M	RNA, Rift Valley Fever virus
PKIT02002	PKIT02002M	DNA, Toxigenic subspecies of Vibrio cholerae
PKIT12096	PKIT12096M	DNA, Vaccinia virus



# Food and water

With ever increasing demands for clarity on the source, whether a food type has been genetically modified or not and type of products we are consuming speciation and pathogen detection kits have been generated to allow users to do exactly that. If your test is not available contact PCRmax or your local dealer to enquire about getting a custom kit made for you.

Without Mastermix	With Mastermix	Description
<b>Meat Speciation kits</b>		
PKIT06024	PKIT06024M	DNA, Bos taurus (bovine/beef)
PKIT06022	PKIT06022M	DNA, Bubalus bubalis (buffalo)
PKIT06032	PKIT06032M	DNA, Felis catus (cat)
PKIT06033	PKIT06033M	DNA, Gallus gallus (chicken)
PKIT06026	PKIT06026M	DNA, Capreolus capreolus (deer)
PKIT06027	PKIT06027M	DNA, Canis familiaris (dog)
PKIT06030	PKIT06030M	DNA, Equus asinus (donkey)
PKIT06021	PKIT06021M	DNA, Anas platyrhynchos (duck)
PKIT06028	PKIT06028M	DNA, Capra hircus (goat)
PKIT06037	PKIT06037M	DNA, Melanogrammus aeglefinus (haddock)
PKIT06031	PKIT06031M	DNA, Equus caballus (horse)
PKIT06049	PKIT06049M	DNA, Struthio camelus (ostrich)
PKIT06050	PKIT06050M	DNA, Sus scrofa (pig/pork)
PKIT06042	PKIT06042M	DNA, Ovis aries (sheep)
PKIT06038	PKIT06038M	DNA, Meleagris gallopavo (turkey)
PKIT06043	PKIT06043M	DNA, Phacochoerus africanus (warthog)
PKIT06052	PKIT06052M	DNA, Universal meat detection
<b>Fish Speciation kits</b>		
PKIT06045	PKIT06045M	DNA, Pleuronectes platessa (european plaice)
PKIT06037	PKIT06037M	DNA, Melanogrammus aeglefinus (haddock)
PKIT06022	PKIT06022M	DNA, Bubalus bubalis (buffalo)
PKIT06035	PKIT06035M	DNA, Gadus morhua (cod)
PKIT06040	PKIT06040M	DNA, Merlangius merlangus (whiting)
PKIT06048	PKIT06048M	DNA, Pollachius virens (pollock)
PKIT06051	PKIT06051M	DNA, Universal fish detection
<b>Allergens</b>		
PKIT06039	PKIT06039M	DNA, Macadamia integrifolia (Macadamia)
PKIT06020	PKIT06020M	DNA, Anacardium occidentale (cashew)
PKIT06047	PKIT06047M	DNA, Pistacia vera (pistacio)
PKIT06025	PKIT06025M	DNA, Corylus avellana (hazelnut)
PKIT06044	PKIT06044M	DNA, Prunus dulcis (almond)
PKIT06036	PKIT06036M	DNA, Juglans regia (walnut)
PKIT06046	PKIT06046M	DNA, Pisum Sativum (green pea)
PKIT06018	PKIT06018M	DNA, Apium graveolens var. dulce (Celery)
<b>Pathogen contamination</b>		
PKIT07002	PKIT07002M	DNA, Bacillus cereus E33
PKIT07003	PKIT07003M	DNA, Brucella genus (All species)
PKIT08004	PKIT08004M	DNA, Campylobacter Coli
PKIT08005	PKIT08005M	DNA, Campylobacter Jejuni

Without Mastermix	With Mastermix	Description
PKIT06002	PKIT06002M	DNA, Clostridium estertheticum
PKIT07005	PKIT07005M	DNA, Clostridium perfringens Types A&B
PKIT07004	PKIT07004M	DNA, All Clostridium perfringens species
PKIT08002	PKIT08002M	DNA, Coxiella burnetii
PKIT08006	PKIT08006M	RNA, Crimean-Congo Haemorrhagic Fever virus
PKIT08003	PKIT08003M	DNA, Cyclospora cayetanensis
PKIT06003	PKIT06003M	DNA, Dekkera bruxellensis
PKIT07006	PKIT07006M	DNA, Enterococcus faecalis
PKIT07007	PKIT07007M	QPCR Kit, DNA, Enterococcus faecium
PKIT08008	PKIT08008M	DNA, Escherichia coli
PKIT08007	PKIT08007M	DNA, Escherichia coli O157:H7
PKIT06004	PKIT06004M	DNA, Eubacteria Bacteria Domain
PKIT08014	PKIT08014M	DNA, Francisella tularensis
PKIT08015	PKIT08015M	DNA, Giardia intestinalis
PKIT07008	PKIT07008M	RNA, Hepatitis A virus
PKIT07009	PKIT07009M	RNA, Hepatitis E virus
PKIT07010	PKIT07010M	DNA, JC virus
PKIT10102	PKIT10102M	DNA, Legionella pneumophila
PKIT07012	PKIT07012M	DNA, All Legionella species
PKIT08016	PKIT08016M	DNA, Listeria monocytogenes
PKIT08017	PKIT08017M	DNA, Mycobacterium avium subspecies paratuberculosis
PKIT07014	PKIT07014M	DNA, All Naegleria species
PKIT07015	PKIT07015M	RNA, Norovirus genotypes 1 and 2
PKIT07016	PKIT07016M	DNA, Pseudomonas aeruginosa
PKIT08018	PKIT08018M	DNA, Salmonella enterica
PKIT05001	PKIT05001M	DNA, All pathogenic Salmonella species
PKIT09001	PKIT09001M	DNA, Shewanella putrefaciens
PKIT08010	PKIT08010M	DNA, Shiga toxin (stx1) producing Escherichia coli
PKIT08011	PKIT08011M	DNA, Shiga toxin (stx2b) producing Escherichia coli
PKIT07018	PKIT07018M	DNA, Shigella (All species)
PKIT07017	PKIT07017M	DNA, Simkania negevensis
PKIT02001	PKIT02001M	DNA, Staphylococcus aureus
PKIT08012	PKIT08012M	DNA, Tellurite resistant Escherichia coli
PKIT02002	PKIT02002M	DNA, Toxigenic subspecies of Vibrio cholerae
PKIT07019	PKIT07019M	DNA, All Vibrio cholerae subspecies
PKIT07020	PKIT07020M	DNA, All Vibrio species
PKIT02003	PKIT02003M	DNA, Yersinia enterocolitica
<b>Others</b>		
PKIT07001	PKIT07001M	DNA, Bifidobacterium bifidum
PKIT06001	PKIT06001M	DNA, Bifidobacterium longum
PKIT06015	PKIT06015M	DNA, Lactobacillus plantarum





## Also available

### PCRmax Eco 48 Real time qPCR system

The PCRmax Eco 48 real time PCR system is a high specification, economically priced real time thermal cycler that accommodates a unique 48-well polypropylene PCR plate utilising the same geometry as standard 384-well plates, but only 1/8 of the size. This enables users to dramatically reduce the qPCR reagent volumes compared to traditional 96-well instruments, saving users precious sample, whilst still producing a strong fluorescence signal. Minimizing the plate size also significantly improves thermal uniformity. A minimum volume of 5µl is validated, resulting in a more efficient use of expensive and 'hard to acquire' template DNA samples.

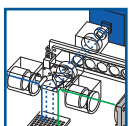
The Eco 48 Real-time system offers the qPCR capabilities of larger instruments in a compact, accurate footprint. Innovative features include a precise thermal system for unrivalled temperature control, an advanced optical system for highly sensitive fluorescence detection, a 48-well plate for flexible sample throughput, and intuitive, icon-driven software for error-free instrument operation.

## Key features

- MIQE compliant.
- HRM functionality is provided as standard and can discriminate class IV SNP 99.9% of the time.
- The Eco 48 can utilise four colours for easy multiplexing.
- Industry leading  $\pm 0.1^\circ\text{C}$  temperature uniformity (recorded at  $95^\circ\text{C}$  no settle time).
- High uniformity provides high quality data.
- Fast cycling enables several experiments per day, all at an economical price.
- Fastest block-based real-time PCR system with the ability to run 40 cycles in 20 minutes (or less when optimised).
- The PCRmax Eco 48 is an open platform that can utilise any chemistry, dye or PCR reagent.
- Calibrated for SYBR<sup>®</sup>, FAM<sup>™</sup>, HEX<sup>™</sup>, VIC<sup>™</sup>, ROX<sup>™</sup> and Cy<sup>®</sup>5 fluorescent dyes.
- Easy to use software, streamlined for novices and experts.
- No need to run triplicates, to compensate for poor thermal uniformity of block.

## Do more, with less

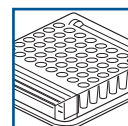
Results from multiple instruments can be combined together



Sensitive optical system delivers precise detection for a range of fluorophores



Convenient 48-well format meets the throughput needs of most researchers



Unique thermal system provides unmatched temperature control for accurate results





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