



SINGLEPLEX qPCR KIT CATALOGUE*

Human Pathogens

Acinetobacter baumannii	Chlamydia SPP
Acinetobacter baumannii-calcoaceticus complex	Chlamydia trachomatis
Acremonium strictum	Citrobacter braakii
Actinobaculum schaalii	Citrobacter freundii
Actinomyces israelii	Citrobacter freundii complex
Actinotignum SPP	Citrobacter koseri
Adenovirus	Clostridium perfringens
Adenovirus F41	C.perfringens alpha toxin producing
Aerococcus urinae	Cladosporium herbarum
Akkermansia muciniphila	Clostridium perfringens
Alloscardovia omnicolens	Clostridium sporogenes
Alternaria alternata	Corynebacterium jeikeium
Alternaria SPP	Corynebacterium pseudotuberculosis
Anaerococcus prevotii	Corynebacterium pyruviciproducens
Anaerococcus vaginalis	Corynebacterium riegliei
Aspergillus flavus	Corynebacterium striatum
Aspergillus fumigatus	Corynebacterium tuberculostearicum
Aspergillus niger	Corynebacterium urealyticum
Aspergillus SPP	Crimean-Congo haemorrhagic fever
Aspergillus terreus	Cryptococcus neoformans
Atopobium vaginae	Cryptosporidium SPP
Bacillus anthracis	Curvularia lunata
Bacillus atrophaeus	Cutibacterium acnes
Bacillus subtilis	Cyclospora cayetanensis
Bacterial Vaginosis Associated Bacterium 2	Cytomegalovirus (Human herpesvirus 5)
Bacteriophage MS2	Dengue virus
Bacteroides fragilis	Dengue virus type 1
Bartonella henselae	Dengue virus type 2
BK virus (BKV)	Dengue virus type 3
Blastomyces dermatitidis	Dengue virus type 4
Bordetella parapertussis	Diphtheria Toxin
Bordetella pertussis	Diphtheria Toxin - Subunit A
B. bronchiseptica & B. parapertussis	Diphtheria Toxin - Subunit B
Borrelia burgdorferi	Entamoeba histolytica
Burkholderia pseudomallei	Entamoeba SPP
Campylobacter coli	Enterobacter cloacae complex
Campylobacter coli/jejuni	Enterococcus faecalis
Campylobacter jejuni	Enterococcus faecium
Campylobacter Lari	Enterococcus SPP
Campylobacter SPP	Enterocytozoon bienersi
Candida albicans	Enterovirus SPP
Candida auris	Epidermophyton floccosum
Candida dubliniensis	Epstein barr virus (EBV)
Candida glabrata	Escherichia coli
Candida krusei	Eubacteria quantification
Candida lusitanae	Finegoldia magna
Candida parapsilosis	Fusarium oxysporum complex
Candida tropicalis	Fusarium solani complex
Candida SPP	Fusobacterium necrophorum
Chikungunya virus	Fusobacterium nucleatum
Chlamydia pneumoniae	Fusobacterium SPP





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Gardnerella vaginalis	Malassezia restricta
Giardia lamblia	Mayaro virus
Giardia SPP	Measles
Haemophilus ducreyi	Megasphaera type 2
Haemophilus influenzae	Microsporium audouinii
Helicobacter pylori	Microsporium ferrugineum
Helicobacter SPP	Microsporium nanum
Hepatitis A virus	Microsporium SPP
Hepatitis B virus	Middle East Respiratory Syndrome (MERS)
Hepatitis C virus	Mobiluncus curtisii
Hepatitis Delta virus	Mobiluncus mulieris
Herpes Simplex virus 1 (HSV1)	Morganella morganii
Herpes Simplex virus 1 and 2	Moraxella ovis
Herpes Simplex virus 2 (HSV2)	Mpox virus
Histoplasma capsulatum	Mycrobacterium leprae
Human Herpes Virus 6	Mycobacterium SPP
Human Herpes Virus 7	Mycobacterium tuberculosis
Human Herpes Virus 8	Mycobacterium tuberculosis complex
Human Immunodeficiency Virus 1 (HIV1)	Mycoplasma genitalium
Human Metapneumovirus	Mycoplasma hominis
Human Norovirus	Mycoplasma penetrans
Human Papillomavirus 14	Mycoplasma pneumoniae
Human Parvovirus B19	Mycoplasma SPP
Human Rhinovirus	Neisseria gonorrhoeae
Human Rotavirus	Neisseria SPP
Human Rotavirus A	Neofusicoccum mangiferae
Human Rotavirus B	Nipah virus
Human Rotavirus C	Norovirus GI
Human T-lymphotrophic virus type 1	Orientia tsutsugamushi
Human T-lymphotrophic virus type 2	Orthopoxvirus SPP
Infectious bronchitis virus	Pathogenic Salmonella SPP
Influenza A	Peptoniphilus asaccharolyticus
Influenza A H3	Peptoniphilus harei
Influenza B	Peptoniphilus ivorii
Japanese encephalitis virus	Peptostreptococcus SPP
JC virus (Human Polyomavirus 2) (JCV)	Peptostreptococcus anaerobius
Klebsiella aerogenes	Peptostreptococcus SPP
Klebsiella oxytoca complex	Plasmodium malariae
Klebsiella pneumoniae	Plasmodium SPP
Lactobacillus crispatus	Pneumocystis jirovecii
Lactobacillus gasseri	Poliovirus
Lactobacillus iners	Prevotella SPP
Lactobacillus jensenii	Proteus mirabilis
Legionella pneumophila	Proteus vulgaris
Legionella SPP	Providencia stuartii
Leishmania infantum/donovani	Pseudomonas aeruginosa
Leishmania SPP	Respiratory syncytial virus (RSV)
Leishmania SPP (Kinetoplast)	Rickettsia SPP
Listeria monocytogenes	Rubella virus
Lyme disease	





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Sarcoptes scabiei	Trichophyton interdigitale
Scopulariopsis brevicaulis	Trichophyton rubrum
Serratia marcescens	Trichophyton soudanese
St. Louis Encephalitis virus (SLEV)	Trichophyton SPP
Staphylococcus aureus	Trichophyton tonsurans
Staphylococcus epidermidis	Trichophyton violaceum
Staphylococcus haemolyticus	Trypanosoma cruzi
Staphylococcus lugdunensis	Ureaplasma parvum
Staphylococcus saprophyticus	Ureaplasma urealyticum
Stenotrophomonas maltophilia	Varicella-Zoster virus (VZV)
Streptococcus agalactiae (Group B)	Vibrio cholera
Streptococcus pneumonia	Vibrio harveyi
Streptococcus pyogenes	West Nile Virus
Toxoplasma gondii	Y Chromosome
Treponema pallidum	Yellow fever
Trichomonas vaginalis	Yersinia enterocolitica
Trichophyton mentagrophytes	Zika virus



Antibiotic Resistance Markers

Aminoglycoside Resistance	Fluoroquinolones (QnrA1&2)
AmpC beta-lactamase (ACC)	Fluoroquinolones (QnrB)
AmpC beta-lactamase (ACT/MIR)	Fluoroquinolones (QnrS)
AmpC beta-lactamase (FOX)	Macrolide lincosamide streptogramin (ermA)
Chloramphenicol-florfenicol	Macrolide lincosamide streptogramin (ermB)
Class A beta-lactamase (blaGES)	Macrolide lincosamide streptogramin (ermC)
Class A beta-lactamase (blaPER)	Macrolide lincosamide streptogramin (MefA)
Class A beta-lactamase (blaVEB)	Methicillin (mecA)
Class A beta-lactamase (CTX-M-1)	Methicillin (mecC)
Class A beta-lactamase (CTX-M-2)	Mobilized colistin
Class A beta-lactamase (CTX-M-8/25)	OxqA Resistance
Class A beta-lactamase (CTX-M-9)	OxqB Resistance
Class A beta-lactamase (KPC)	Sulfonamides (Sul1)
Class A beta-lactamase (SHV)	Sulfonamides (Sul2)
Class A beta-lactamase (SME)	Sulfonamides (Sul3)
Class B beta-lactamase (blaIMP)	Tetracycline Resistance (tetB)
Class B beta-lactamase (blaNDM)	Tetracycline Resistance (tetM)
Class B beta-lactamase (blaVIM)	Tetracycline Resistance (tetS)
Class D beta-lactamase (OXA23)	Trimethoprim (dfrA1/dfrA5)
Class D beta-lactamase (OXA48)	Vancomycin Resistance (vanA)
Class D beta-lactamase (OXA51)	Vancomycin Resistance (vanB)
Extended spectrum beta-lactamases (blaTEM)	





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Veterinary Pathogens - Aquaculture

Abalone herpes virus (AHV)	Perkinsus olseni
Aeromonas veronii	Perkinsus SPP
Amietia SPP	Photobacterium damsela
Bacteriophage MS2	Photobacterium damsela subsp. Piscicida
Betanodavirus	Red Sea Bream iridovirus
Clarias gariepinus	Sphaerospora testicularis
Haliotidica noduliformans	Vibrio anguillarum
Koi herpes virus	Vibrio harveyi
Lymphocystivirus	Xenohaliotis californiensis
Ostreid herpesvirus 1 (OsHV-1)	

Veterinary Pathogens - Avian

Aspergillus flavus	Mycoplasma gallisepticum
Aspergillus fumigatus	Mycoplasma synoviae
Avian influenza H5N1	Newcastle disease
Avian polyomavirus (APV)	Nipah virus (NPH)
Bacteriophage MS2	Orthopoxvirus SPP
Chicken anaemia virus (CAV)	Psittacine Beak and Feather disease (BFDV)
Chlamydia psittaci	Veterinary Rotavirus A
Filobasidiella neoformans	Veterinary Rotavirus B
Fowlpox virus	Veterinary Rotavirus C
Infectious bursal disease virus	West Nile virus
Influenza A (H3)	



Veterinary Pathogens - Canine

Anaplasma phagocytophilum	Canine norovirus (CaNoV)
Anaplasma platys	Canine parainfluenza (CPiV)
Anaplasma SPP	Canine respiratory coronavirus (CRCoV)
Angiostrongylus vasorum	Carnivore protoparvovirus 1
Aspergillus flavus	Dirofilaria immitis
Aspergillus fumigatus	Dirofilaria repens
Babesia canis	Ehrlichia canis
Babesia gibsoni	Ehrlichia SPP
Babesia rossi	Giardia lamblia
Babesia vogeli	Hepatozoon canis
Bacteriophage MS2	Influenza A H3N8 (Equine & Canine)
Bartonella henselae	Leptospira SPP
Bordetella bronchiseptica & parapertussis	Mammalian babesiosis
Brucella SPP	Microsporium canis
Candidatus M. haematoparvum	Mycoplasma cynos
Canine & feline parvovirus	Mycoplasma haemofelis /haemocanis
Canine adenovirus type 1 (CAAdV1)	Neospora caninum
Canine adenovirus type 2 (CAAdV2)	Orthopoxvirus
Canine distemper virus (CDV)	Veterinary Prototheca SPP
Canine herpes virus (CHV)	Yersinia enterocolitica
Canine minute virus (CnMV)	



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Veterinary Pathogens – Equine & Ruminants

Anaplasma marginale	Equine viral arteritis (EVA)
Anaplasma phagocytophilum	Foot and mouth disease virus
Anaplasma platys	Giardia lamblia
Anaplasma SPP	Influenza A H3N8 (Equine & Canine)
Aspergillus fumigatus	Leptospira SPP
Babesia bigemina	Mycobacterium avium
Babesia caballi	Mycobacterium avium subsp., avium
Bacillus anthracis	Mycoplasma bovis
Bacillus SPP	Mycoplasma capricolum
Bacillus subtilis	Mycoplasma conjunctivae
Bacteriophage MS2	Rhodococcus equi
Bovine parainfluenza virus type 3	Ruminants SPP
Bovine viral diarrhoea virus	Sheeppox virus
Brucella SPP	Taylorella equigenitalis
Camelpox virus	Theileria equi
Capripox virus	Theileria SPP
Chlamydia abortus	Trypanosoma evansi
Corynebacterium pseudotuberculosis	Veterinary Rotavirus A
Eastern equine encephalitis virus	Veterinary Rotavirus B
Equid herpes virus 1	Veterinary Rotavirus C
Equid herpes virus 2	Western equine encephalomyelitis virus
Equid herpes virus 4	Yersinia enterocolitica
Equine infectious anemia	

Veterinary Pathogens - Feline

Aelurostrongylus abstrusus	Cytauxzoon SPP
Anaplasma phagocytophilum	Feline calicivirus (FCV)
Anaplasma platys	Feline coronavirus (FCoV)
Anaplasma SPP	Feline herpesvirus (FHV)
Aspergillus flavus	Feline immunodeficiency virus (FIV)
Aspergillus fumigatus	Feline infectious peritonitis virus (FIPV)
Babesia felis	Feline leukemia virus (FeLV)
Bacteriophage MS2	Giardia lamblia
Bartonella henselae	Leptospira SPP
Bordetella bronchiseptica & B. parapertussis	Mycoplasma felis
Brucella SPP	Mycoplasma haemofelis /haemocanis
Candidatus M. haemominutum	Orthopoxvirus SPP
Candidatus M. turicensis	Toxoplasma gondii
Canine & feline parvovirus	Trichomonas foetus
Carnivore protoparvovirus 1	Veterinary Prototheca SPP
Chlamydia felis	Yersinia enterocolitica

Veterinary Pathogens – Leporine

Bacteriophage MS2	Orthopoxvirus SPP
Encephalitozoon cuniculi	Trichophyton mentagrophytes
Francisella tularensis	





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Veterinary Pathogens – Porcine

Actinobacillus pleuropneumonia (APP)	Porcine parvovirus (PPV)
African Swine Fever Virus (ASFV)	Porcine reproductive&respiratory syndrome virus
Bacteriophage MS2	Streptococcus suis
Enterocytozoon bienersi	Veterinary Rotavirus A
Haemophilus parasuis (Glasser's Disease)	Veterinary Rotavirus B
Mammalian babesiosis	Veterinary Rotavirus C
Orthopoxvirus SPP	Yersinia enterocolitica
Pathogenic Salmonella SPP	

Veterinary Pathogens – Rodentia

Bacteriophage MS2	Yersinia enterocolitica
Trichophyton Mentagrophytes	

Veterinary Pathogens – Simian

Bacteriophage MS2	Simian Virus 40 (SV40)
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Food Pathogens

Acanthamoeba SPP	Campylobacter lari
Aspergillus niger	Clostridium perfringens
Aspergillus SPP	Cyclospora cayetanensis
Bacteriophage MS2	Escherichia coli
Campylobacter coli	Hepatitis A virus
Campylobacter coli/jejuni	Listeria monocytogenes
Campylobacter jejuni	

Agricultural Pathogens

Aspergillus flavus	Bacillus subtilis
Aspergillus niger	Histoplasma capsulatum
Aspergillus SPP	Hop latent viroid
Aspergillus terreus	Psilocybe cubensis
Aspergillus versicolor	Stenotrophomonas maltophilia
Avocado sunblotch viroid (ASBVd)	Sugarcane mosaic virus

Genotyping

APOE 1 and 2	JAK2
Cystic fibrosis phenylalanine 508	MDR1 Deletion
Factor V Leiden	Prothrombin
Haemochromatosis	

