



## Lab Services Ltd

Unit 8, Mowat Industrial Estate, Sandown Rd, Watford WD24 7UY  
Tel: 01923 252800 Email: lab@labservices.uk.com

# Diagnostic Molecular Service at Lab Services

## New PCR assays from November 2022

Diagnostic Molecular Service at Lab Services Ltd offers state-of-the-art quantitative polymerase chain reaction (qPCR) assays to detect a wide range of infectious agents including bacterial, viral, fungal, protozoal pathogens in cats and dogs. All our PCR assays meet the highest standards of sensitivity, specificity and are designed and validated in-house by an expert molecular biologist.

We include internal amplification control in each PCR to ensure highest level of reliability.

**All tests are carried out in-house and all positive results will be accompanied by a clinical interpretation with no extra charge, and in record short turnaround time.**

## In-house Multiplex PCR Assays

Code	Infectious Disease qPCRs	Description	Sample	Turnaround Time(s)
DERMP	Dermatophyte qPCR screen	Microsporum canis, Trichophyton spp. and pan dermatophytes	Hair plucked from lesion edge or skin scrapes	2-5 working days
CNS	Canine Neurology qPCR Screen	Borrelia spp., canine distemper virus, Neospora caninum, Toxoplasma gondii	0.2 ml CSF	2-5 working days
FNS	Feline Neurology qPCR Screen	Feline coronavirus, Toxoplasma gondii, Borrelia spp.	0.2 ml CSF	2-5 working days
FHEM	Feline Haemotropic Mycoplasma qPCR Screen	Mycoplasma haemofelis, Mycoplasma haemominutum, Mycoplasma turicensis	0.5 ml EDTA blood	2-5 working days
CHEM	Canine Haemotropic Mycoplasma qPCR Screen	Mycoplasma haemocanis & Mycoplasma haematoparvum	0.5 ml EDTA blood	2-5 working days
FES	Feline Eye qPCR Screen	Chlamydomphila felis, Mycoplasma felis, feline herpesvirus	Conjunctival dry swab or Eswab	2-5 working days
FRS	Feline Respiratory qPCR Screen	Chlamydomphila felis, Mycoplasma felis, feline herpesvirus, feline calicivirus, Bordetella bronchiseptica	Conjunctival and deep pharyngeal dry swab or ESwab, or BAL	2-5 working days



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<b>END</b>	<b>Tick-borne Disease Profile</b>	Anaplasma phagocytophilum, Anaplasma platys PCR, Babesia spp. & Ehrlichia spp.	0.5 ml EDTA blood	2-5 working days
<b>FP1+C</b>	<b>Canine Diarrhoea qPCR Profile</b>	Salmonella & Campylobacter culture, Giardia spp., Cryptosporidium spp. Canine enteric coronavirus, Clostridium perferingens toxins and canine parvovirus	Faeces in sterile plain pot	2-5 working days
<b>FP1+F</b>	<b>Feline Diarrhoea qPCR Profile</b>	Salmonella & Campylobacter culture, Giardia spp., Cryptosporidium spp., Tritrichomonas foetus and feline enteric coronavirus , Clostridium perferingens toxins and feline panleukopenia virus	Faeces in sterile plain pot	2-5 working days
<b>CRS</b>	<b>Canine Respiratory qPCR Screen</b>	Canine adenovirus 2, canine herpesvirus, canine parainfluenzavirus, canine influenza virus, canine respiratory coronavirus, Bordetella bronchiseptica	Conjunctival and deep pharyngeal dry swab or ESwab, or BAL	2-5 working days
<b>ECOL</b>	<b>Pathogenic <i>E.coli</i> qPCR</b>	<i>E.coli</i> EPEC-eae, VTEC-stx1 & VTEC-stx2	Faeces in sterile plain pot	2-5 working days



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## In-house Single PCR Assays

Code	Infectious Disease qPCRs	Sample	Turnaround Time(s)
<b>CAV2P</b>	Canine adenovirus 2 qPCR	Deep pharyngeal or conjunctival dry swab or ESwab, or BAL	2-5 working days
<b>CPIP</b>	Canine parainfluenza virus type 3 qPCR	Deep pharyngeal or conjunctival dry swab or ESwab, or BAL	2-5 working days
<b>BBP</b>	Bordetella bronchiseptica qPCR	Throat swab or trach wash, BAL	2-5 working days
<b>CIVP</b>	Canine influenza virus qPCR	Deep pharyngeal or conjunctival dry swab or ESwab, or BAL	2-5 working days
<b>CRCOP</b>	Canine respiratory coronavirus qPCR	Deep pharyngeal or conjunctival dry swab or ESwab, or BAL	2-5 working days
<b>CHERP</b>	Canine herpesvirus qPCR	Conjunctival or genital dry swab or ESwab, abortion material or tissue.	2-5 working days
<b>BORP</b>	Borrelia spp. qPCR	0.5 ml joint aspirate/biopsy or 0.5 mL CSF or 0.5 mL EDTA or tick	2-5 working days
<b>CDVP</b>	Canine distemper virus	Conjunctival dry swab or deep pharyngeal dry swab or nasal dry swab or 2 mL EDTA or 0.5 mL CSF or rectal dry swab	2-5 working days
<b>NEOP</b>	Neospora canium	CSF or faeces	2-5 working days
<b>DERM</b>	Pan dermatophyte PCR	Hair plucked from lesion edge or skin scrapes	2-5 working days
<b>MSPP</b>	Microsporium spp. PCR	Hair plucked from lesion edge or skin scrapes	2-5 working days
<b>TRIC</b>	Trichophyton spp. PCR	Hair plucked from lesion edge or skin scrapes	2-5 working days
<b>ANPP</b>	Anaplasma phagocytophilum PCR	0.5 mL EDTA blood or tick or CSF or bone marrow or synovial fluid	2-5 working days
<b>ANPP</b>	Anaplasma platys PCR	0.5 mL EDTA blood or tick or CSF or bone marrow or synovial fluid	2-5 working days



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<b>BAP</b>	Babesia spp. qPCR	0.5 mL EDTA or tic	2-5 working days
<b>EHRP</b>	Ehrlichia canis qPCR	0.5 mL EDTA or tick or bone marrow	2-5 working days
<b>HEMF</b>	Mycoplasma haemofelis qPCR	0.5 ml EDTA blood	2-5 working days
<b>MINU</b>	Mycoplasma haemominutum qPCR	0.5 ml EDTA blood	2-5 working days
<b>TURI</b>	Mycoplasma turicensis qPCR	0.5 ml EDTA blood	2-5 working days
<b>TOXOP</b>	Toxoplasma gondii	0.5 mL EDTA or 0.5 mL CSF or BAL or aqueous humor	2-5 working days
<b>CRYP</b>	Cryptosporidium spp. qPCR	3 days pooled faeces in plain sterile pot	2-5 working days
<b>GIAP</b>	Giardia spp. qPCR	3 days pooled faeces in plain sterile pot	2-5 working days
<b>TRIP</b>	Tritrichomonas foetus qPCR	Faeces in sterile plain pot. No cat litter	2-5 working days
<b>CPVP</b>	Canine parvovirus 2 qPCR	Faeces or rectal dry swab or Eswab, or 0.5 mL EDTA (pyrexia)	2-5 working days
<b>FCOVP</b>	Feline coronavirus qPCR	Faeces (enteric coronavirus) or 1 mL abdominal fluid/pleural fluid or CSF or 1 mL EDTA or tissue biopsy	2-5 working days
<b>FPVP</b>	Feline panleukopenia/parvovirus qPCR	Faeces or rectal dry swab or Eswab, or 0.5 mL EDTA (pyrexia)	2-5 working days
<b>CPA</b>	Clostridium perfringens alpha gene qPCR	Faeces	2-5 working days
<b>EGE</b>	Clostridium perfringens enterotoxin gene qPCR	Faeces	2-5 working days
<b>CCVP</b>	Canine enteric coronavirus qPCR	Faeces	2-5 working days
<b>CHLP</b>	Chlamydia felis qPCR	Conjunctival dry swab or Eswab	2-5 working days
<b>FCVP</b>	Feline calicivirus qPCR	Nasopharyngeal or gingival dry swab or ESwab, or BAL	2-5 working days
<b>FHERP</b>	Feline herpesvirus qPCR	Conjunctival or genital dry swab or ESwab, abortion material or tissue.	2-5 working days



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<b>MYFE</b>	Mycoplasma felis qPCR	Conjunctival dry swab or ESwab or BAL	2-5 working days
<b>ANGIP</b>	Angiostrongylus vasorum qPCR	0.5 mL EDTA or BAL or faeces	2-5 working days
<b>CREP</b>	Crenosoma vulpis qPCR	0.5 mL EDTA or BAL or faeces	2-5 working days
<b>HEMC</b>	Mycoplasma haemocanis qPCR	0.5 ml EDTA blood	2-5 working days
<b>OPAR</b>	Mycoplasma haematoparvum qPCR	0.5 ml EDTA blood	2-5 working days
<b>MYCY</b>	Mycoplasma cynos qPCR	Plain dry swab or BAL	2-5 working days
<b>MYSP</b>	Mycoplasma spp. qPCR	Conjunctival or tracheal or genital dry swab or tracheal secretion	2-5 working days
<b>FELP</b>	FeLV qPCR (proviral DNA)	2 mL EDTA or bone marrow	2-5 working days
<b>FIVP</b>	FIV qPCR (proviral DNA and viral RNA)	2 mL EDTA or bone marrow	2-5 working days
<b>LEPP</b>	Leptospira Serovars qPCR	0.5 mL EDTA or 0.2 mL CSF or 2 mL urine	2-5 working days
<b>SEQ</b>	Sequence Analysis	Pure culture or positive PCR product	5-10 working days