



Real-time PCR Panel - Small Animal Faecal Pathogens

Veterinary Pathology Diagnostic Services

Small Animal Faecal Pathogens

Diarrhoea is an extremely common problem in both cats and dogs. Mild, transient diarrhoea is rarely a cause for concern, but severe or chronic diarrhoea can be damaging to a pet's health. Faecal tests for gastrointestinal pathogens (bacteria, viruses, and parasites) should be considered whenever an animal has chronic or severe diarrhoea. In addition, some intestinal parasites such as *Giardia duodenalis* and *Cryptosporidium parvum* can be zoonotic and pose a significant health threat to people.

The Faecal Pathogen Panel uses the principle of Multiplexed real-time PCR providing reliable simultaneous detection of key enteric pathogens, maintaining robust sensitivity and specificity while enabling efficient and reliable routine testing.



Internal controls (IC) are included for adequate processing of the sample and PCR reaction. Samples that fail QC are repeated free of charge, and unusual results are confirmed by follow-up testing.

All work is performed at **The University of Sydney**. Turnaround time is 2-3 business days following receipt of the sample.

Pathogen	LOD (Copies/mL)	Gene- Inclusivity
<i>Campylobacter</i> spp.	2.7x10 ³	Includes <i>C. coli</i> , <i>C. jejuni</i> (not differentiated)
<i>Cryptosporidium</i> spp.	2.7x10 ³	Includes <i>C. canis</i> , <i>C. felis</i> (not differentiated)
<i>Clostridium perfringens</i>	2.7x10 ³	Toxin genes (alpha, enterotoxin, netE, netF)
<i>Salmonella</i> spp.	2.7x10 ³	Includes <i>S. Enteritidis</i> , <i>S. Typhimurium</i> (not differentiated)
<i>Giardia lamblia</i>	9x10 ²	Assemblages A, B, C, D, F (not differentiated)
<i>Tritrichomonas blagburni</i>	2.7x10 ³	Detected
<i>Toxoplasma gondii</i>	2.7x10 ³	Detected
Feline parvovirus	9x10 ²	Detected
Canine parvovirus type 2	2.7x10 ³	Detected (subtypes not differentiated)
Canine distemper virus	2.7x10 ³	Detected
Canine coronavirus	2.7x10 ³	Detected
Feline coronavirus	9x10 ²	Detected

Required sample: 3-5 g of fresh faeces submitted in a sterile container. The panel includes a complementary faecal floatation test.

*Test prices are available upon request.

Please contact VPDS if you have further questions before submitting your samples.

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