



Parasitology

Parasitology is performed by direct microscopic examination, serology and rtPCR. The area around the ears are evaluated for mites and lice, and the small intestinal and cecal contents are evaluated for pathogenic and non-pathogenic helminths and protozoa.

Serology is used to screen *E. cuniculi*. NSP test samples can be shipped to our laboratories to include swabs, faeces for use in rtPCR techniques. A special pinworm profile is available for rapid rtPCR testing.

Pooling

It is possible to pool samples when testing for parasites. We recommend no more than five (5) oral or fur swab samples, but can accept pools up to 10. Environmental samples, as well as fecal samples for rt-PCR, can be tested up to a maximum of ten (10) into one single sample, and no more than ten (10) faecal and environmental samples for use in rtPCR testing.

A panel of microbiological agents by species for parasitology is listed below. Clearly highlighted are those recommended by FELASA 2014. Several rtPCR panels are available to quickly check for some prevalent agents.

For additional questions on serology profiles and pricing, please contact us at:

UK: RMS-UK-Technical-services@envigo.com

EU: healthmonitorlab@envigo.com

PARASITOLOGY	TEST METHOD (rtPCR only for mouse/rat)	MOUSE	RAT	G. PIG ³	RABBIT ³	SAMPLE TYPE (can be specie specific)
Ectoparasites (Mites) ^(1,2)						
<i>Myocoptes musculus</i>	Microscope / rtPCR	✓	✓			LA / E / FS
<i>Myobia muscili / Radfordia</i>	Microscope / rtPCR	✓	✓			LA / F / E / FS
Endoparasites ^(1,2)						
<i>Aspiculuris tetraptera</i>	Microscope / rtPCR	✓	✓			LA / F / E
<i>Chilomastix spp</i>	Microscope / rtPCR	✓	✓			LA / F / E
<i>Entamoeba muris</i>	Microscope / rtPCR	✓	✓			LA / F / E
<i>Giardia muris</i>	Microscope / rtPCR	✓	✓			LA / F / E
<i>Syphacia obvelata</i>	Microscope / rtPCR	✓	✓			LA / F / E
<i>Syphacia muris</i>	Microscope / rtPCR	✓	✓			LA / F / E
<i>Spironucleus muris</i>	Microscope / rtPCR	✓	✓			LA / F / E
<i>Tritrichomonas muris</i>	Microscope / rtPCR	✓	✓			LA / F / E
<i>Trichomonas spp</i>	Microscope / rtPCR	✓	✓			LA / F / E
<i>Encephalitozoon cuniculi</i>	ELISA / rtPCR	✓	✓			LA / S / DBS / F / E

- (1) Mouse agents recommended by FELASA 2014 (quarterly and/or annual)
- (2) Rat agents recommended by FELASA 2014 (quarterly and/or annual)
- (3) Please refer to the specie specific agents recommended by FELASA 2014 (quarterly and/or annual)"

Sample type:

DBS: Dry Blood Spot	LA: Live Animal
F: Fecal	OS: Oral Swab
FS: Fur Swab	S: Serum
E: Environmental material (filter, swabs, other)	