Full spectrum health monitoring

PARASITOLOGY

Parasitology is performed by direct microscopic examination, serology and rtPCR. The area around the ears, neck and inguinal region 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) 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.

PARASITOLOGY	TEST METHOD (RTPCR ONLY FOR MOUSE/RAT)	MOUSE	RAT	HAMSTER[3]	G. PIG[3]	RABBIT[3]	SAMPLE TYPE (CAN BE SPECIE SPECIFIC)
Ectoparasites (Mites) [1,2]							
Myocoptes musculinus	Microscope / rtPCR	✓	✓				LA / E / FS
Myobia musculi / Radfordia	Microscope / rtPCR	✓	✓				LA / F / E / FS
Demodex	rtPCR	✓	✓				F / E / FS
Endoparasites [1,2]							
Aspiculuris tetraptera	Microscope / rtPCR	✓	✓				LA / F / E
Chilomastix spp	Microscope / rtPCR	✓	✓				LA / F / E
Cryptosporidium spp	rtPCR	✓	✓				F / E
Eimeria spp	Microscope / rtPCR	✓	✓				LA / F / E
Entamoeba Histolytica	rtPCR	✓	✓				F / E
Entamoeba muris	Microscope / rtPCR	✓	✓				LA / F / E
Entamoeba spp	rtPCR						F / E
Giardia muris	Microscope / rtPCR	✓	✓				LA / F / E
Giardia spp	Microscope / rtPCR	✓	✓				F / E
Passalurus ambiguus	rtPCR	✓	✓				F / E
Syphacia obvelata	Microscope / rtPCR	✓	✓				LA / F / E
Syphacia muris	Microscope / rtPCR	✓	✓				LA / F / E
Spironucleus muris	Microscope / rtPCR	✓	✓				LA / F / E
Tritrichomonas muris	Microscope / rtPCR	✓	✓				LA / F / E
Trichomonas spp	Microscope / rtPCR	✓	✓				LA / F / E
Encephalitozoon cuniculi	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
F: Fecal
FS: Fur Swab
E: Environmental material (filter, swabs, other)
LA: Live Animal
OS: Oral Swab
S: Serum

PATHOLOGY

Tissues and organs are taken if abnormalities are observed during routine necropsy. These can be submitted for histopathology upon request at an additional charge.

NSP SAMPLING KITS

Inotiv has created an NSP sampling kit to improve the reliability and simplify the collection and submission of samples. Included in the box are sample collection, storage and transportation media, user-friendly sampling submission forms (profiles, species, strain etc.), sampling and packing instructions and pre-printed shipping instructions.
These materials are being provided free of charge in conjunction with purchase of tests. Inotiv offers on-site sample training which may be subject to additional charges

ANIMAL TRANSPORTATION

Inotiv is equipped to provide animal shipping solutions for customers upon request. This includes the provision of live sentinel animals at SOPF status (bred and maintained in isolator), filtered shipping boxes including agar gel, pick up service of live animals in climate controlled vehicles, and user-friendly submission forms (profiles, species, strain etc.)

TESTING OF BIOLOGICAL MATERIALS

Biological materials such as tumours, hybridomas, cell lines and blood products can be contaminated when they are sourced from contaminated animals. Introduction of these materials into the animal unit is therefore subject to risk. Inotiv offers procedures and testing methods for animal sourced materials. Please contact our technical specialists for additional information.

REPORTING

Inotiv uses the Laboratory Information Management System (LIMS) to track, collate and report on Health Monitoring tests. Each submission receives a unique reference number, which then covers all samples within that submission.

Inotiv's FELASA compliant report is normally provided within 7 working days. Single serology or rtPCR testing results can be provided within 72 hours after receipt at our laboratory. Where conflicting or unexpected positive results are found, customers are informed immediately and appropriate action / follow up testing agreed.

For static areas we can include historical data from the last 18 months into the final report.