

Health monitoring of hamster colonies can be conducted through a combination of pathology, serology, microbiology, parasitology and PCR. In quarantine situations, PCR panels can be paired with serological tests to provide deeper insights into previous, inactive infections when importing animals. We provide different health monitoring programs for quarterly or yearly monitoring according FELASA recommendations and more. Also, any kind of custom monitoring is possible.

Different sample types can be used for the different diagnostic procedures:

S - Serum	DS - Dry swab
BS - Blot spot	MS - Microbiology swab (medium swab)
T- Tissue	DSS - Deep skin scrape
F- Feces	FS - Fur swab

VIRUSES

Serology: ELISA	Sample type	Virology S	Virology L	Virology XL	Virology XXL
Lymphocytic choriomeningitis virus (LCV)	S, BS	✓	✓	✓	✓
Murine Pneumonia Virus (PVM)	S, BS	✓	✓	✓	✓
Mammalian orthoreovirus type 3 (REO-3)	S, BS			✓	✓
Sendai Virus (SEN)	S, BS				✓

BACTERIA / FUNGI

Culture / MALDI-TOF	Sample type	Microbiology S	Microbiology L	MicrobiologyXL	Microbiology XXL
Microbiology (MB)	T, MS	✓	✓	✓	✓
Corynebacterium kutscheri	T, MS	✓	✓	✓	✓
Pasteurellaceae	T, MS	✓	✓	✓	✓
Salmonella spp.	T, MS	✓	✓	✓	✓
Staphylococcus aureus	T, MS	✓	✓	✓	✓
Streptococci, β-haem. (A, B, C, G)	T, MS	✓	✓	✓	✓
Streptococcus pneumoniae	T, MS	✓	✓	✓	✓

Culture / MALDI-TOF	Sample type	Microbiology S	Microbiology L	MicrobiologyXL	Microbiology XXL
Swab, aerobic	MS				
Swab, anaerobic	MS				
Mycology	MS				

ELISA	Sample type	Microbiology S	Microbiology L	MicrobiologyXL	Microbiology XXL
Clostridium piliforme	S, BS		✓	✓	✓
Mycoplasma pulmonis	S, BS				✓

PCR	Sample type	Microbiology S	Microbiology L	MicrobiologyXL	Microbiology XXL
Clostridium piliforme	F, DS				
Corynebacterium kutscheri	F, DS				
Helicobacter spp.					
Helicobacter bilis	F, DS		✓	✓	✓
Helicobacter hepaticus					
Helicobacter typhlonius					
Mycoplasma pulmonis	DS				
Rodentibacter heylii	F, DS				
Rodentibacter pneumotropicus	F, DS				
Staphylococcus aureus	F, DS				
Salmonella spp.	F, DS				
Streptococcus agalactiae (B)	DS				
Streptococcus canis (G)	DS				
Streptococcus equi (C)	DS				
Streptococcus pyogenes (A)	DS				
Streptococcus pneumoniae	F, DS				
Bordetella bronchiseptica	DS				
Filobacterium rodentium (CARB)	DS				

PARASITES

Microscopy, Flotation	Sample type	Parasitology S	Parasitology L	Parasitology XL	Parasitology XXL
Endoparasites (ENP)					
Helminths	F	✓	✓	✓	✓
Protozoa	F	✓	✓	✓	✓
Ectoparasites (ECP)	FS	✓	✓	✓	✓
Scabies mites	DSS				✓

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ELISA	Sample type	Parasitology S	Parasitology L	Parasitology XL	Parasitology XXL
Cryptosporidium muris	F			✓	✓
Encephalitozoon cuniculi	S, BS			✓	✓

PCR	Sample type	Parasitology S	Parasitology L	Parasitology XL	Parasitology XXL
Entamoeba muris	F				
Cryptosporidium muris	F				
Giardia muris	F				✓
Spiroplasma muris	F				

Diagnostic service	Method	Pathology	Pathology	Pathology	Pathology
Postmortem examination	Necropsy	✓	✓	✓	✓
Histological exam. (per organ)	Microscopy				