

### Health Monitoring Report in Accordance with FELASA Recommendations

Location: **Medicine TAU**

Housing: **Conventional unit (CM)**

Samples collection: **13/06/2021**

Species: **Rat sentinel**

Strain: **SD female**

Date of report: **20/06/2021**

Health report: **1 rat FELASA Quarterly**

	Test frequency	Latest results positive/tested	Testing laboratory TAU, CR	Test method	Historical results positive/tested	
					Jun 2020	Jan 2021
<b>Viruses</b>						
Hantaan (zoonotic hantaan virus-HANT)	Annually	NT	CR	MFIA	0/1	0/1
Toolan's H1-rat parvovirus (H1)	6 months	0/1	CR	MFIA	0/1	0/1
Rodent adenovirus strain 1,2 (MAV1& MAV2)	Annually	NT	CR	MFIA	0/1	0/1
Rat parvovirus (RPV)	6 months	0/1	CR	MFIA	0/1	0/1
Rat minute virus (RMV)	6 months	0/1	CR	MFIA	0/1	0/1
Kilham's rat virus-parvovirus (KRV)	6 months	0/1	CR	MFIA	0/1	0/1
Rodent pneumovirus (PVM)	6 months	0/1	CR	MFIA	0/1	0/1
Rat coronavirus (RCV/SDAV)	6 months	0/1	CR	MFIA	0/1	0/1
Rodent reovirus (REO)	Annually	NT	CR	MFIA	0/1	0/1
Rat theilovirus (RTV)	6 months	0/1	CR	MFIA	0/1	0/1
Sendai virus (SEND)	Annually	NT	CR	MFIA	0/1	0/1
Parvovirus (NS-1)	6 months	0/1	CR	MFIA	0/1	0/1
Pneumocystis carinii (PCAR, 'RRV')	Annually	0/1	CR	IFA	0/1	0/1
Murine norovirus (MNV)	6 months	NT*	CR	IFA	NT	NT
Rat cytomegalovirus (RCMV)	Annually	NT	CR	IFA	0/1	0/1
<b>Bacteria, mycoplasma and fungi</b>						
Cilia-associated respiratory bacillus (CARB)	Annually	NT	CR	MFIA	0/1	0/1
Mycoplasma pulmonis (MPUL, blood)	6 months	0/1	CR	MFIA	0/1	0/1
Bordetella bronchiseptica (Nasopharynx, lung)	6 months	0/1	TAU	CULT	0/1	0/1
Citrobacter rodentium (Intestine, feces)	6 months	0/1	TAU	CULT	0/1	0/1
Clostridium piliforme (CPIL, blood)	6 months	0/1	CR	MFIA	0/1	0/1
Corynebacterium kitchneri (Nasopharynx, lung, intestine)	6 months	0/1	TAU	CULT	0/1	0/1
Klebsiella pneumoniae (Naso, lung)	6 months	0/1	TAU	CULT	0/1	0/1
Klebsiella oxytoca (Intestine, feces)	6 months	0/1	TAU	CULT	0/1	0/1
Pasteurellaceae, Pasteurella pneumotropica (Naso, lung)	6 months	0/1	TAU	CULT	0/1	0/1
Pseudomonas aeruginosa (Feces)	6 months	0/1	TAU	CULT	0/1	0/1
Salmonella spp. (Intestine, feces)	6 months	0/1	TAU	CULT	0/1	0/1
Staphylococcus aureus (Skin, naso, lung)	6 months	1/1	TAU	CULT	0/1	0/1
Streptococci β-haemolytic (not group D,naso, lung)	6 months	0/1	TAU	CULT	0/1	0/1
Streptococcus pneumoniae (Naso, lung)	6 months	0/1	TAU	CULT	0/1	0/1
Helicobacter spp. (Feces)	6 months	NT**	TAU	PCR	NT	0/1
Streptobacillus moniliformis (Naso)	6 months	0/1	TAU	CULT	0/1	0/1
Dermatophytes (Skin)	6 months	0/1	TAU	CULT	0/1	0/1
Corynebacterium bovis (Skin)	6 months	0/1	TAU	CULT	0/1	0/1

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<b>Parasites</b>						
Ectoparasites: Fur mites	6 months	0/1	TAU	MICR	0/1	0/1
Endoparasites: Pinworms	6 months	0/1	TAU	MICR	0/1	0/1
Opportunistic protozoa	6 months	0/1	TAU	MICR	0/1	0/1
Nonpathogenic protozoa: Chilomastix, Entamoeba, Trichomonas	6 months	Present	TAU	MICR	Present	Present
<b>Pathological lesions</b>	6 months	0/1	TAU	MACRO	0/1	0/1

Data are expressed as number positive/number tested

Abbreviations used in this report: ELISA=enzyme linked immunosorbent assay; MICR=microscopy; MACRO=macroscopic; IFA=immunofluorescence assay; MFIA=multiplex fluorescent immunoassay; CULT=culture; PATH=gross pathology; PCR=polymerase chain reaction; HIST=histopathology; NT=not tested; TAU=Tel Aviv University lab; CR=Charles River lab; IN=result interpreted as non-specific because not confirmed by alternative serologic assay or diagnostic methodology for other serologic assays

### Summary

**Serology:** the tested rat was negative for all tested pathogens.

\*We consider serology mice test positive for Murine norovirus (MNV).

**Bacteriology:** the tested rat was positive for *Staphylococcus aureus*.

\*\*We consider rat samples positive for *Helicobacter* spp.

**Parasitology:** sentinel rat samples were negative for fur mites (ectoparasites) and pinworms (endoparasites).

**Pathology:** no observed lesions.

**Notes:** *Viridans* group  $\alpha$ -*Streptococcus*, coagulase negative *Staphylococcus* sp., *Enterococcus* sp., *Lactobacillus* spp., *Lactococcus* sp. and *Escherichia coli* are all common components of the microbiota. *Trichomonas*, *Chilomastix* and *Entamoeba* are all common intestinal protozoa.

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