

**Health Monitoring Report  
In Accordance with FELASA Recommendations**

Location: Medicine Faculty    Housing: Conventional Unit    Date of issue: May 2018

Species: Mouse

Mouse Strain: ICR

	Test frequency	Latest test date	Latest results	Testing TAU, CR	Test method	Historical results (≤17months)
<b>Viruses</b>						
Mouse hepatitis virus (MHV)	6 months	5.2018	2/10	CR RADS	IFA	9/27
Mouse rotavirus (EDIM)	6 months	5.2018	0/10	CR RADS	MFI	0/27
<b>Parvoviruses</b>						
Minute virus of mice (MVM)	6 months	5.2018	0/10	CR RADS	MFI	0/27
Mouse parvovirus (MPV 1,2,5)	6 months	5.2018	0/10	CR RADS	MFI	0/27
Pneumonia virus of mice (PVM)	Annually	5.2018	0/10	CR RADS	MFI	0/18
Sendai virus	Annually	5.2018	0/10	CR RADS	MFI	0/18
Theiler's murine encephalomyelitis virus (TMEV)	6 months	5.2018	0/10	CR RADS	MFI, IFA	0/27
Ectromelia virus	Annually	5.2018	0/10	CR RADS	MFI	0/18
Lymphocytic choriomeningitis virus (LCMV)	Annually	5.2018	0/10	CR RADS	MFI	0/18
Mouse adenovirus type 1 (FL)	Annually	5.2018	0/10	CR RADS	MFI	0/18
Mouse adenovirus type 2 (K87)	Annually	5.2018	0/10	CR RADS	MFI	0/18
Mouse cytomegalovirus (MCMV)	Annually	5.2018	0/10	CR RADS	MFI	0/18
Provirus type 3 (REO-3)	Annually	5.2018	0/10	CR RADS	MFI	0/18
NS 1	6 months	5.2018	0/10	CR RADS	MFI	0/27
Murine norovirus (MNV)	6 months	5.2018	1/10	CR RADS	MFI	9/27

	Test frequency	Latest test date	Latest results	Testing lab	Test method	Historical result(≤17Mnt)
<b>Bacteria, mycoplasma and fungi</b>						
CILIA- Assoc. Resp. Bacillus (CARB)	Annually	5.2018	0/10	CR RADS	ELISA	
Mycoplasma Pulmonis-Mouse	Annually	5.2018	0/10	CR RAD	MFI	1/18
Bordetella bronchoseptica (Naso&Lung)	6 months	5.2018	0/10	TAU	CULT	0/27
Citrobacter rodentium (Intestine – feces)	6 months	5.2018	0/10	TAU	CULT	0/27
Clostridium piliforme	Annually	5.2018	0/10	CR RADS	MFI	0/27
Corynebacterium kutscheri (Nasopharynx, Lung and Intestine )	6 months	5.2018	0/10	TAU	CULT	0/27
Klebsiella pneumoniae (Naso&Lung)	6 months	5.2018	0/10	TAU	CULT	0/27
Klebsiella oxytoca	6 months	5.2018	0/10	TAU	CULT	1/27
Pasteurellaceae (Nasopharynx and Lung)	6 months	5.2018	8/10	TAU	CULT	18/27
Pseudomonas aeruginosa (Naso&Lung)	6 months	5.2018	0/10	TAU	CULT	0/27
Salmonella spp.(Intestine -feces)	6 months	5.2018	0/10	TAU	CULT	0/27
Staphylococcus aureus(Skin, Naso-Lung)	6 months	5.2018	0/10	TAU	CULT	1/27
Streptococci β-haemolytic (Naso&Lung)	6 months	5.2018	0/10	TAU	CULT	0/27
Streptococcus pneumoniae(Nasopharynx)	6 months	5.2018	0/10	TAU	CULT	0/27
Helicobacter spp. (Intestine -feces)	6 months	5.2018	NT	TAU	PCR	9/18
Streptobacillus moniliformis	6 months	5.2018	0/9	TAU	CULT	0/27
Dermatophytes (Skin)	6 months	5.2018	0/9	TAU	CULT	0/27
Corynebacterium bovis (Skin)	6 months	5.2018	0/9	TAU	CULT	0/27
<b>Parasites</b>						
Endoparasites: Pinworms	6 months	5.2018	0/9	TAU	MICR	1/27
Opportunistic Protozoa	6 months	5.2018	0/9	TAU	MICR	0/27
Non Pathogenic Protozoa	6 months	5.2018	5/9	TAU	MICR	17/27
Encephalitozoon cuniculi (sporozoan)	6 months	5.2018	NT	CR RAD	ELISA	0/0
<b>Pathological lesions observed</b>	6 months	5.2018	0/9	TAU	MAC	0/27

Data are expressed as number positive/number tested

Abbreviations used in this report:

ELISA=enzyme linked immunosorbent assay, MICR=microscopy, MACRO= macroscopic observation

IFA= immunofluorescence assay, MFI=multiplex fluorescent immunoassay, CULT=culture, PATH=gross pathology, PCR=polymerase chain reaction, HIST=histopathology,

NT=not tested

**\*Identification of *Pasteurellaceae*:**

*Pasteurella pneumotropica* grows as gray colonies on blood agar whereas “Other *Pasteurellaceae*” refers to yellow lytic colonies. Both are gram-negative and API-20NE-positive (99%). Occasional confirmation by RT-PCR for the ITS region (IDEXX BioResearch) or 16S rRNA PCR and sequencing (Hy Laboratories and IDEXX BioResearch) indicates that the gray colonies are *Pasteurella pneumotropica* (99%, GeneBank accession number: M75083.1, NR\_042887.1) and the yellow colonies are *Pasteurella spp* (100%, GeneBank accession number: HF912264, JQ346058). Note that the JQ346058 sequence, which is called *P. pneumotropica* in GenBank, is not well characterized and is not associated with any publications. It is an outlier compared to all the other well-characterized *P. pneumotropica* isolates in the GenBank and is 100% identical to a *Pasteurella spp* (HF912264), which is better characterized.

## Tests were conducted in Charles River & TAU laboratories

### Conclusions of the latest results

**On serology:** Two mice (8<sup>th</sup> 7<sup>th</sup> floor) were expressed **MHV** antibodies, one mouse (6<sup>th</sup>) was expressed **MNV** antibodies.

**On PCR:** Not tested for *Helicobacter spp*

**On parasitology:** All test results were found negative.

**On bacteriology:** Eight mice (11<sup>th</sup>10<sup>th</sup> 8<sup>th</sup> 7<sup>th</sup> 6<sup>th</sup> 5<sup>th</sup> 4<sup>th</sup> floor & Imaging) were found positive for \****Pasteurella pneumotropica*** (yellow lytic colonies)

NOTE: Viridans group alpha *Streptococcus*, coagulase negative *Staphylococcus sp.*, *Enterococcus sp.*, *Lactobacillus sp.*, *Lactococcus sp.*, and *Escherichia coli* were isolated. These bacteria are common components of the micro flora.

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