

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

Location: Medicine Faculty    Housing: **SPF**    Date of issue: September 2017  
 Species: Mouse    Mouse Strain: ICR (F)

	Test frequency	Latest test date	Latest results	Testing TAU,CR	Test method	Historical results (≤32Mnt)
<b>Viruses</b>						
Mouse hepatitis virus (MHV)	3 months	9/2017	0/25	CR RADS	IFA	0/180
Mouse rotavirus (EDIM)	3 months	9/2017	0/25	CR RADS	MFI	0/180
Minute virus of mice (MVM)	3 months	9/2017	0/25	CR RADS	MFI	0/180
Mouse parvovirus (MPV 1, 2, 5)	3 months	9/2017	0/25	CR RADS	MFI	0/180
Pneumonia virus of mice (PVM)	Annually	9/2017	NT	CR RADS	MFI	0/92
Sendai virus	Annually	9/2017	NT	CR RADS	MFI	0/92
Theiler's murine encephalomyelitis virus (TMEV)	3 months	9/2017	0/25	CR RADS	MFI,IFA	0/180
Ectromelia virus	Annually	9/2017	NT	CR RADS	MFI	0/41
Lymphocytic choriomeningitis virus (LCM)	Annually	9/2017	NT	CR RADS	MFI	0/41
Mouse adenovirus type 1 (FL)	Annually	9/2017	NT	CR RADS	MFI	0/41
Mouse adenovirus type 2 (K87)	Annually	9/2017	NT	CR RADS	MFI	0/41
Mouse cytomegalovirus (MCMV)	Annually	9/2017	NT	CR RADS	MFI	0/41
Reovirus type 3 (REO-3)	Annually	9/2017	NT	CR RADS	MFI	0/41
NS 1	3 months	9/2017	0/25	CR RADS	MFI	0/110
Murine norovirus (MNV)	3 months	9/2017	<b>16/25</b>	CR RADS	MFI	<b>95/180</b>

	Test frequency	Latest test date	Latest results	Testing TAU,CR	Test method	Historical result(≤32 Mnt)
<b>Bacteria, mycoplasma and fungi</b>						
Mycoplasma Pulmonis - Mouse	Annually	9/2017	NT	CR RADS	MFI	0/92
Bordetella bronchoseptica (Nasopharynx and Lung)	3 months	9/2017	0/25	TAU	CULT	0/180
Citrobacter Rodentium (Intestine –feces)	3 months	9/2017	0/25	TAU	CULT	0/180
Clostridium piliforme (Tyzzer's disease)	Annually	9/2017	NT	CR RADS	MFI	0/92
Corynebacterium kutscheri (Nasopharynx, Lung and Intestine )	3 months	9/2017	0/25	TAU	CULT	0/180
Klebsiella pneumoniae (Nasoand Lung)	3 months	9/2017	0/25	TAU	CULT	0/180
Pasteurella pneumotropica (Naso, Lung)	3 months	9/2017	14/25	TAU	CULT	65/180
Pseudomonas aeruginosa (Naso&Lung)	3 months	9/2017	0/25	TAU	CULT	0/180
Salmonella spp.(Intestine -feces)	3 months	9/2017	0/25	TAU	CULT	0/180
Staphylococcus aureus (Skin,Naso ,Lung)	3 months	9/2017	0/25	TAU	CULT	2/180
Streptococci β-haemolytic (not group D)	3 months	9/2017	0/25	TAU	CULT	0/180
Streptococcus pneumoniae (Naso, Lung)	3 months	9/2017	0/25	TAU	CULT	0/180
Helicobacter spp	3 months	9/2017	5/25	TAU	PCR	19/180
Streptobacillus moniliformis (Naso)	3 months	9/2017	0/25	TAU	CULT	0/180
Dermatophytes (Skin)	3 months	9/2017	0/25	TAU	CULT	0/180
Corynebacterium bovis (Skin)	3 months	9/2017	0/25	TAU	CULT	0/180
Pneumocystis carinii (nude lung)	Annually	9/2017	NT	TAU	PCR	0/2
<b>Parasites</b>						
Ectoparasites: Fur mites	3 months	9/2017	0/25	TAU	MICR	0/180
Endoparasites: Pinworms	3 months	9/2017	0/25	TAU	MICR	0/180
Opportunistic protozoa	3 months	9/2017	0/25	TAU	MICR	0/180
Nonpathogenic protozoa:						
Chilomastix sp	3 months	9/2017	16/25	TAU	MICR	62/180
Entamoeba sp	3 months	9/2017	12/25	TAU	MICR	57/180
Trichomonads	3 months	9/2017	11/25	TAU	MICR	47/180
<b>Pathological lesions observed</b>	3 months	9/2017	0/25	TAU	MACRO	0/180

Remark:

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.

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

## Tests were conducted at Charles River, USA & Tel Aviv University laboratories

### Conclusions of the latest results

**Serology:** 16 mice were found positive for **MNV**- room 307 (1, 3-5); 409 (1-3, 5); 407 (1-3) 309(2- 4)

**Parasitology:** 25 mice were found positive for *Trichomonads*, *Chilomastix*, *Entamoeba muris* – micro fauna

**Bacteriology:** 14 mice were found positive for ***Pasteurella pneumotropica*** – room 209 (1); 208 (1-2); 307 (1, 4); 309 (2, 4); 305(1-3); 409(2, 4);407(1-2) (2-5)

**PCR:** 4 mice were found positive for ***Helicobacter hepaticus***- room 307 (5); 309(5); 305(2); 409(3); & One mouse was positive for ***Helicobacter spp*** –room 407 (1)

**Growth Pathology:** No pathology lesions.

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

*Trichomonads*, *Chilomastix* and *Entamoeba* are all common components of micro fauna.

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