TEL AVIV UNIVERSITY אוניברסיטת תל-אביב

SACKLER FACULTY OF MEDICINE הפקולטה לרפואה ע"ש סאקלר

Health Monitoring Report
In Accordance with FELASA Recommendations

Location: Medicine Faculty Housing: Conventional Unit Date of issue: October 2017
Species: Mouse Mouse Strain: ICR

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	Test frequency	Latest test date	Latest results	Testing TAU, CR	Test method	Historical results (≤44months)
Viruses						
Mouse hepatitis virus (MHV)	6 months	10.2017	3/9	CR RADS	IFA	33/50
Mouse rotavirus (EDIM)	6 months	10.2017	0/9	CR RADS	MFI	0/50
Parvoviruses						
Minute virus of mice (MVM)	6 months	10.2017	0/9	CR RADS	MFI	0/50
Mouse parvovirus (MPV 1,2,5)	6 months	10.2017	0/9	CR RADS	MFI	0/50
Pneumonia virus of mice (PVM)	Annually	10.2017	NT	CR RADS	MFI	0/34
Sendai virus	Annually	10.2017	NT	CR RADS	MFI	0/34
Theiler's murine encephalomyelitis virus (TMEV)	6 months	10.2017	0/9	CR RADS	MFI,IFA	0/50
Ectromelia virus	Annually	10.2017	NT	CR RADS	MFI	0/28
Lymphocytic choriomeningitis virus (LCMV)	Annually	10.2017	NT	CR RADS	MFI	0/28
Mouse adenovirus type 1 (FL)	Annually	10.2017	NT	CR RADS	MFI	0/28
Mouse adenovirus type 2 (K87)	Annually	10.2017	NT	CR RADS	MFI	0/28
Mouse cytomegalovirus (MCMV)	Annually	10.2017	NT	CR RADS	MFI	0/19
Provirus type 3 (REO-3)	Annually	10.2017	NT	CR RADS	MFI	0/28
NS 1	6 months	10.2017	0/9	CR RADS	MFI	0/25
Murine norovirus (MNV)	6 months	10.2017	2/9	CR RADS	MFI	15/44

	Test frequency	Latest test date	Latest results	Testing lab	Test method	Historical result(≤44Mnt)
Bacteria, mycoplasma and fungi						
CILIA- Assoc. Resp. Bacillus (CARB)	Annually	10.2017	NT	CR RADS	ELISA	
Mycoplasma Pulmonis-Mouse	Annually	10.2017	NT	CR RAD	MFI	1/34
Bordetella bronchoseptica (Naso&Lung)	6 months	10.2017	0/9	TAU	CULT	0/50
Citrobacter rodentium (Intestine – feces)	6 months	10.2017	0/9	TAU	CULT	0/50
Clostridium piliforme	Annually	10.2017	NT	CR RADS	MFI	0/50
Corynebacterium kutscheri (Nasopharynx, Lung and Intestine)	6 months	10.2017	0/9	TAU	CULT	0/50
Klebsiella pneumoniae (Naso&Lung)	6 months	10.2017	0/9	TAU	CULT	0/50
Klebsiella oxytoca	6 months	10.2017	0/9	TAU	CULT	1/50
Pasteurellaceae (Nasopharynx and Lung)	6 months	10.2017	5/9	TAU	CULT	8/50
Pseudomonas aeruginosa (Naso&Lung)	6 months	10.2017	0/9	TAU	CULT	0/50
Salmonella spp.(Intestine -feces)	6 months	10.2017	0/9	TAU	CULT	0/50
Staphylococcus aureus(Skin, Naso-Lung)	6 months	10.2017	1/9	TAU	CULT	2/50
Streptococci β-haemolytic (Naso&Lung)	6 months	10.2017	0/9	TAU	CULT	0/50
Streptococcus pneumoniae(Nasopharynx)	6 months	10.2017	0/9	TAU	CULT	0/50
Helicobacter spp. (Intestine -feces)	6 months	10.2017	4/9	TAU	PCR	15/50
Streptobacillus monilformis	6 months	10.2017	0/9	TAU	CULT	0/50
Dermatophytes (Skin)	6 months	10.2017	0/9	TAU	CULT	0/50
Corynebacterium bovis (Skin)	6 months	10.2017	0/9	TAU	CULT	0/50
Parasites						
Ectoparasites: Fur mites	6 months	10.2017	0/9	TAU	MICR	0/50
Endoparasites: Pinworms	6 months	10.2017	0/9	TAU	MICR	1/50
Opportunistic Protozoa	6 months	10.2017	0/9	TAU	MICR	0/50
Non Pathogenic Protozoa	6 months	10.2017	6/9	TAU	MICR	28/50
Encephalitozoon cuniculi (sporozoan)	6 months	10.2017	NT	CR RAD	ELISA	0/25
Pathological lesions observed	6 months	10.2017	0/9	TAU	MAC	0/50

*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 in Charles River & TAU laboratories

Conclussions of the latest results

On serology: Three mice (11th 10th 7th floor) were expressed **MHV** antibodies, 2 mice (11th 7th floor) were expressed MNV antibodies.
On PCR: Three mice (10th 8th 5th floor) were found positive for ***Helicobacter hepaticus*** and one mouse was found for ***Helicobacter rodentium.***
On parasitology: One sick mouse (4th floor) was found positive for ***Syphacia obvelata***
On bacteriology: Five mice (11th 8th 7th 5th 4th floor) were found positive for *__Pasteurella pneumotropica__* and one sick mouse (imaging room, 1th floor) was found positive for ***Staphylococcus aureus*** (skin)

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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