



Sackler Faculty of Medicine
Tel Aviv University



**The Veterinary Service Center
Sentinel Diagnostic Laboratory**

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

Location: **Tel Hashomer**

Housing: Conventional Unit (CM)

Date of issue: 25/3/2019

Eye Research Institute

Arrival mice: 3/3/2019

PI: Prof. Naftali Savion

Species: **Mouse - Sentinel**

Mouse Strain: ICR

Health Report of 1 mouse (7 THS – NS)

Serology: tests performed at Charles River Laboratories (CR)

Results	
Viruses	
Mouse hepatitis virus (MHV)	Negative
Mouse rotavirus (EDIM-ROTA-A)	Negative
Minute virus of mice (MVM)	Negative
Mouse parvovirus (MPV-1, -2, -5)	Negative
Pneumonia virus of mice (PVM)	Negative
Sendai virus (SEND)	Negative
Theiler's murine encephalomyelitis virus (TMEV-GDVII)	Negative
Ectromelia virus (ECTRO)	Negative
Lymphocytic choriomeningitis virus (LCMV)	Negative
Mouse adenovirus type 1 (FL-MAV-1)	Negative
Mouse adenovirus type 2 (K87-MAV-2)	Negative
Mouse cytomegalovirus (MCMV)	Negative
Reovirus type 3 (REO)	Negative
NS-1	Negative
Murine norovirus (MNV)	NT

Bacteriology and Parasitology: tests performed at the Sentinel Diagnostic Laboratory (TAU)

Results	
Bacteria, mycoplasma and fungi	
Mycoplasma Pulmonis (MPUL)- Mouse	Negative
Bordetella bronchiseptica (Nasopharynx &Lung)	Negative
Citrobacter Rodentium (Intestine -feces)	Negative
Clostridium piliforme (CPII Tyzzer's disease)	Negative
Corynebacterium kutscheri (Nasopharynx, Lung and Intestine)	Negative
Klebsiella pneumoniae (Naso&Lung)	Negative
Pasteurellaceae (Naso&Lung)	Positive
Pasteurella pneumotropica	
Pseudomonas aeruginosa (Naso&Lung)	Negative
Salmonella spp. (Intestine -feces)	Negative
Staphylococcus aureus (Skin,Naso, Lung)	Negative
Streptococci β -haemolytic (not group D)	Negative
Streptococcus pneumoniae (Naso&Lung)	Negative
Helicobacter spp	NT*
Streptobacillus moniliformis (Naso)	Negative
Dermatophytes (Skin)	Negative
Corynebacterium bovis (Skin)	Negative
Parasites	
Ectoparasites: Fur mites	Negative
Endoparasites: Pinworms	Positive
Pathological lesions observed	
	Negative

Abbreviations used in this report:

NT=not tested, TAU=Tel Aviv University, CR=Charles River.

**Tests were conducted at Charles River, USA & Sentinel Diagnostic Laboratory,
Tel Aviv University**

Health monitoring summary

Serology: The tested mouse was negative for all tested viruses.

Parasitology: The tested mouse was positive for endoparasites-pinworms (*Syphacia obvelata*).

Bacteriology: The tested mouse was positive for *Pasteurella pneumotropica* (yellow lytic colonies).

*We consider the bacteriology mice samples positive for *Helicobacter spp.*

Growth Pathology: No pathology lesions.

Remarks:

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.

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.

Dr. Mickey Harley- Veterinarian
Israeli Board Certified
Head Laboratory Animal Units
Tel Aviv University
Cell: 052-5643396
Office: 972-3-6409919
Fax: 972-3-6407567

Yael Gov
Dr. Debora Rapaport
Manager of Sentinel Diagnostic Laboratory
Department of Clinical Microbiology and Immunology
Sackler Faculty of Medicine
Tel-Aviv University
Office: +972-3-6405137
Cell: 054-5671456
Fax: +972-3-6409160