



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

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