

המרכז לשירות וטירנרי

Sentinel Diagnostic Laboratory

Report date: 11.2.18

Necropsy date: 22.1.18

Health Monitoring Report of Eye Institute Animal Facility
Tel Hashomer, January 2018

Researcher name: Prof. Savion Naphtali Room: 5

HISTORY:

Sentinel mouse (ICR) 10 weeks age

SEROLOGY: Tests were conducted by Charles river
MFI² Serology Summary Report of 5 THS -NS

Abbreviation	Agent	Result
MHV	Mouse Hepatitis Virus	Negative
EDIM	Epizootic Diarrhea of Infant Mice	"
MNV	Murine Norovirus	"
MVM	Minute Virus of Mice	"
TMEV (GDVII)	Theiler's Meningoencephalomyelitis virus	"
MPV 1,2,5	Mouse parvovirus	"
MPV	NS1 Mouse parvovirus NS 1	"
ECTR	Ectromelia	"
SEN	Sendai Virus	"
MYCO	Mycoplasma pulmonis	"
LCMV	Lymphocytic choriomeningitis virus	"
MAD 1 (MAV)	Mouse adenovirus strain Fl	"
MAD 2 (MAV)	Mouse adenovirus strain K87	"
MCMV	Mouse cytomegalovirus	"
REO 3	Rodent reovirus	"
PVM	Pneumonia virus of mice	"
Clos P	Clostridium piliforme	"
Mouse IgG		normal

BACTERIOLOGY: Tests were conducted by TAU Sentinel Lab

SAMPLE #	RESPIRATORY TRACT	DIGESTIVE TRACT
5 THS-NS	<i>Strep. alfa hemolytic</i> (normal flora) <i>Pasteurella pneumotropica</i> (yellow lytic colonies)*	<i>Escherichia coli</i> (normal flora)

* 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.

Negative for *Helicobacter spp.* (digestive tract)

PARASITOLOGY:

SAMPLE	ECTOPARASITE	ENDOPARASITE/WORM	PROTOZOA
5 THS-NS	Negative	Negative	<i>Chilomastix</i> (normal fauna)

PATHOLOGY:

Gross Pathology: No lesions observed

Summary

All test results were found negative .

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