



Authority for Biological and
Biomedical Models
Hebrew University
Jerusalem 91120
Israel

Health Monitoring Report

Based on FELASA recommendations

Submission date mice:

08.12.2024

Submission date rats:

08.12.2024

Report Date mice:

15.01.2025

Report Date rats:

15.01.2025

Detailed information regarding the following health data summary is available by contacting Mr. Musa Mujahed M.Sc. at:
[Phone \(972-2\)6757437](mailto:musam@savion.huji.ac.il) musam@savion.huji.ac.il

Other micro organisms may be detected on routine culture, but not reported according to FELASA recommendations.
The status of these organisms is available on request.

Species	Location	Page
Mouse	EK-MD-3148	3
Rat	EK-MD-3148	5

General comment of Pasteurella pneumotropica identification:

The Identification of this bacteria is done in two laboratories, at HY – LABORATORIES in Israel is identified by PCR as Pasteurella pneumotropica, while at IDEXX LABORATORIES in USA is identified as Pasteurella spp.

Murine Health Monitoring Program - SPF Units

General description:

All rodents maintained in one of the SPF units are housed in filter top cages or IVC. Rodents are introduced into the SPF units only from known commercial vendors. Rodents from non-commercial vendors are going through health monitoring screening in quarantine prior to being introduced into the SPF unit.

Personnel and researchers wear dedicated clothing on entering the animal facility: lab coat, shoe covers and gloves.

Cages are changed inside type II biological hoods.

Equipment and bedding are sterilized by autoclave before introduced into the SPF unit.

Diet is irradiated. Drinking water is filtered and acidified to pH- 2.8 – 3.2.

Health monitoring program is based on FELASA recommendations. Each rodent room in the facility is assigned with sentinel mice (ICR) or rats (SD).

Sentinels in each room are exposed to bedding from different cages from the room at each cage change. Each Sentinels cage samples 100-120 cages.

Sentinels are tested on a monthly and quarterly basis for subclinical infections of pathogens, as follows:

Parasitology (endoparasites and ectoparasites):

Performed twice quarterly.

Bacteriology (respiratory and digestive tract):

Respiratory and Intestinal tract culture performed quarterly.

Serology:

There are several panels being performed throughout the year:

• **Mice:**

Clinical panel performed semiannually

MHV, EDIM, MPV, MVM, GDVII

Comprehensive panel performed annually

MHV, EDIM, MPV, MVM, GDVII, Myc. pulmonis, PVM, Sendai, LCMV, Polyoma, Reo-3, MAD 1, MAD 2, CAR Bacillus, Tyzzer's agent, MCMV, Ectromelia, MNV, MKPV

• **Rats:**

Clinical panel performed semiannually

PVM, Myc. pulmonis, RPV, RMV, SDAV/RCV, KRV, H-1, RTV, Tyzzer's agent.

Comprehensive panel performed annually

All the above + Sendai, CAR Bacillus, Hanta, MAD 1, MAD 2, ECUN, Reo-3.

Gross Pathology:

Performed twice quarterly.

Histopathology:

Performed in case of abnormal gross pathological findings

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Authority for Biological and Biomedical Models Hebrew University Jerusalem 91120 Israel Tel: (972-2)6758465 Fax: (972-2)6424654	Location EK-MD-3148	Species Mouse
	Submission Date 08.12.2024	Report Date 15.01.2025

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Health Monitoring Report

Latest Monthly Update: 15.01.2025

Location:	EK-MD-3148			Species:	Mouse
Viruses	Most Recent Test Date	Most Recent Results ^a	Historical Results ^{a,b}	Test Frequency	Test Method
Mouse hepatitis virus (MHV)	08.12.24	0/1	0/3	6 months	MFI
Mouse rotavirus (EDIM)	08.12.24	0/1	0/3	6 months	MFI
Mouse Parvo Virus	08.12.24	0/1	0/3	6 months	MFI
Minute virus of mice (MVM)	08.12.24	0/1	0/3	6 months	MFI
Theiler's murine encephalomyelitis virus (GD-7)	08.12.24	0/1	0/3	6 months	MFI
Mouse kidney parvovirus (MKPV)	08.12.24	0/1	0/2	12 months	MFI
Mouse norovirus (MNV)	08.12.24	0/1	0/2	12 months	MFI
Pneumonia virus of mice	08.12.24	0/1	0/2	12 months	MFI
Sendai virus (SEND)	08.12.24	0/1	0/2	12 months	MFI
Ectromelia Virus (ECTR)	08.12.24	0/1	0/2	12 months	MFI
Reovirus type 3 (REO-3)	08.12.24	0/1	0/2	12 months	MFI
Lymphocytic choriomeningitis virus (LCMV)	08.12.24	0/1	0/2	12 months	MFI
Mouse adenovirus type 1 (MAD-1)	08.12.24	0/1	0/2	12 months	MFI
Mouse adenovirus type 2 (MAD-2)	08.12.24	0/1	0/2	12 months	MFI
Mouse cytomegalovirus	08.12.24	0/1	0/2	12 months	MFI
Mouse polyoma virus	08.12.24	0/1	0/2	12 months	MFI
Bacteria, Mycoplasma and Fungi					
<i>Pasteurella pneumotropica</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Streptococcus pneumoniae</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Streptococci B-haemolytic</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Staphylococcus aureus</i>	08.12.24	1/1	1/6	3 months	CULTURE
<i>Pseudomonas aeruginosa</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Klebsiella pneumoniae</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Klebsiella oxytoca</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Pasteurellaceae</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Proteus mirabilis</i>	08.12.24	1/1	2/6	3 months	CULTURE
<i>Citrobacter rodentium</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Salmonella spp.</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Streptobacillus moniliformis</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Corynebacterium kutscheri</i>	08.12.24	0/1	0/6	3 months	CULTURE
<i>Corynebacterium bovis (HAC)*</i>		NT/NT	0/0	6 months	PCR
<i>Pneumocystis murina*</i>		NT/NT	0/0	6 months	PCR
<i>Hellicobacter spp.</i>	08.12.24	1/1	2/2	12 months	PCR
<i>Clostridium piliforme (Tyzzer's disease)</i>	08.12.24	0/1	0/2	12 months	MFI
<i>CAR Bacillus</i>	08.12.24	0/1	0/2	12 months	MFI
Parasites					
Ectoparasites	08.12.24	0/1	0/12	6 weeks	MICR
Intestinal Helminths	08.12.24	0/1	0/12	6 weeks	MICR
Enteric protozoa	08.12.24	0/1	0/12	6 weeks	MICR
Nonpathogenic protozoa					
Entamoeba spp.	08.12.24	0/1	5/12	6 weeks	MICR
Trichomonas spp.	08.12.24	0/1	1/12	6 weeks	MICR
Chilomastix spp.	08.12.24	0/1	0/12	6 weeks	MICR
Pathological Lesions					
Gross Lesions	08.12.24	0/1	0/12	6 weeks	PATH

Report Notes:

- a. Data is expressed as number positive/number tested
- b. Historical results include 18 months cumulative data

* Tested only in SPF rooms designated for holding/breeding immunodeficient strains and in SOPF units.

Last detection date of Entamoeba spp. was on March 2024.
Last detection date of Trichomonas spp. was on September 2023.



Ifat Uzi, DVM, Dip. LAM

