

המרכז לשירות וטרינרי

The Veterinary Service Center

Sentinel Diagnostic Laboratory

Health Monitoring Report
in Accordance with FELASA Recommendations

Location: Life Sciences
Species: Mouse (sentinel)

Housing: Conventional Unit
Strain: ICR (F) 10 weeks age

Date of issue 1/2016

	Test frequency	Latest test date	Latest results	Testing lab Radil,TAU	Test method	Historical results (≤48 months)
Viruses						
Mouse hepatitis virus (MHV)	6 months	1/2016	1/4	Idexx Radil	IFA,MFI	10/35
Mouse rotavirus (EDIM)	6 months	1/2016	0/4	"	MFI	0/35
Parvoviruses						
Minute virus of mice (MVM)	6 months	1/2016	0/4	"	MFI	0/31
Mouse parvovirus (MPV)	6 months	1/2016	0/4	"	MFI,IFA	0/31
Pneumonia virus of mice (PVM)	6 months	1/2016	0/4	"	MFI,IFA	0/31
Sendai virus	6 months	1/2016	0/4	"	MFI	0/31
Theiler's murine encephalomyelitis virus (TMEV)	6 months	1/2016	0/4	"	MFI	2/35
Ectromelia virus	Annually	1/2016	0/4	"	MFI	0/25
Lymphocytic choriomeningitis virus (LCM)	Annually	1/2016	0/4	"	MFI	0/25
Mouse adenovirus type 1 (FL)	Annually	1/2016	0/4	"	MFI	0/19
Mouse adenovirus type 2 (K87)	Annually	1/2016	0/4	"	IFA	2/19
Mouse cytomegalovirus (MCMV)	Annually	1/2016	0/4	"	MFI	0/25
Reovirus type 3 (REO-3)	Annually	1/2016	0/4	"	MFI	0/25
Mouse Polyoma Virus (PyV)	Annually	1/2016	0/4	"	MFI	0/25
Hantavirus (Mouse/Rat)	Annually	1/2016	NT	"	MFI	0/18
Murine Norovirus (MNV)	Annually	1/2016	2/4	"	MFI	8/23

	Test frequency	Latest test date	Latest results	Testing lab Radil&TAU	Test method	Historical result(≤48Mnt)
Bacteria, mycoplasma and fungi						
CILIA- Assoc. Resp. Bacillus (CARB) of Mouse	Annually	1/2016	NT	"	MFI	0/6
Mycoplasma Pulmonis-Mouse	6 months	1/2016	0/4	"	MFI&IFA	0/35
Bordetella bronchoseptica (Nasopharynx)	6 months	1/2016	0/4	TAU	CULT	0/35
Citrobacter rodentium (feces)	6 months	1/2016	0/4	"	CULT	0/29
Clostridium piliforme (Tyzzer's disease)	6 months	1/2016	0/4	"	MFI	0/35
Corynebacterium kutscheri (Nasopharynx, Lung and Intestine)	6 months	1/2016	0/4	"	CULT	0/35
Klebsiella pneumoniae (Nasopharynx)	6 months	1/2016	0/4	"	CULT	0/35
Corynebacterium bovis (skin)	6 months	1/2016	0/4	"	CULT	0/35
Pasteurellaceae (Nasopharynx)	6 months	1/2016	0/4	"	CULT	3/35
Pseudomonas aeruginosa-Nasopharynx	6 months	1/2016	0/4	"	CULT	0/35
Salmonella spp.(Intestine -feces)	6 months	1/2016	0/4	"	CULT	0/35
Staphylococcus aureus (Skin, Nasopharynx and Lung)	6 months	1/2016	0/4	"	CULT	0/35
Streptococci β-haemolytic (not group D) (Nasopharynx and Lung)	6 months	1/2016	0/4	"	CULT	0/35
Streptococcus pneumoniae (Nasopharynx and Lung)	6 months	1/2016	0/4	"	CULT	0/35
Helicobacter spp. (Intestine -feces)	6 months	1/2016	0/4	"	PCR	15/35
Streptobacillus moniliformis (Nasopharynx)	6 months	1/2016	0/4	"	CULT	0/35
Dermatophytes (Skin)	6 months	1/2016	0/4	"	CULT	0/35
Parasites		1/2016				
Ectoparasites: Fur mites	6 months	1/2016	0/4	"	MICR	2/31
Encephalitozoon cuniculi (sporozoan)	6 months	1/2016	NT	Idexx Radil	MFI	0/23
Endoparasites: Syphacia obvelata	6 months	1/2016	0/4	TAU	MICR	5/31
Opportunistic protozoa	6 months	1/2016	0/4	"	MICR	0/31
Nonpathogenic protozoa	6 months	1/2016	4/4	"	MICR	7/20
Pathological lesions observed	6 months	1/2016	0/4	"	MAC	5/31

Data are expressed as number positive/number tested

Abbreviations used in this report:

ELISA=enzyme linked immunosorbent assay, MICR=microscopy, MAC= macroscopic

IFA=immunofluorescence assay ,MFI= multiplex fluorescent immunoassay, CULT=culture,

PCR=polymerase chain reaction, NT=not tested

Tests were conducted in TAU & Radil laboratories

Conclusions of the latest results

On serology: Two mice (8,9,21 room) were expressed **MNV** antibodies and one mouse (8,9 room) was expressed **MHV** antibodies (weak level)

On PCR: Negative results for *Helicobacter sp*

On parasitology: Micro fauna

On Bacteriology: Micro flora

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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