



MMRRC Production Facility
Area: UCD-M3-2
Rodent Health Surveillance

Date: January 31, 2020
Summary MMRRC Basic Profile
Data added Dec 2019
Current positive results in **BOLD**

This report summarizes the results of tests performed on dirty bedding sentinels, retired breeders and young colony mice from barrier-maintained production area M3 Room 2 at UC Davis, CA. Data are reported as positive tests / total tests performed. Please contact the MMRRC at 530-754-6677 or email mmrrc@ucdavis.edu with questions about this report or animal health related issues.

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Organism	Sample	Test Method	Dec'19	Sep'19	Jun'19	Mar'19	Dec'18
VIRUSES							
Ectromelia virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/8
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/8
K virus	Serum	ELISA	0/4	0/6	0/4	0/2	0/4
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/4	0/6	0/4	0/6	0/4
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/4	0/6	0/4	0/2	0/4
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/4	0/6	0/4	0/6	0/4
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/8
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/4	0/6	0/4	0/6	0/4
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/4	0/6	0/4	0/6	0/4
Mouse hepatitis virus (MHV)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/8
	Feces	PCR	0/4	0/2	0/4	0/2	0/4
Mouse parvovirus (MPV)	Serum	ELISA	0/8	0/6	0/8	0/6	0/8
	Mes LN	PCR	0/8	0/2	0/8	0/6	0/8
Mouse kidney parvovirus (MKPV)	Kidney	PCR	0/4	0/4	-	0/4	-
Mouse thymic virus (MTV)	Serum	IFA	0/4	0/6	0/4	0/6	0/4
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/8
Polyoma virus	Serum	ELISA	0/4	0/6	0/4	0/2	0/4
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/4	0/6	0/4	0/6	0/4
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/8
Sendai virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/8
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/8
BACTERIA & MYCOPLASMA							
CAR bacillus	Serum	ELISA	0/4	0/6	0/4	0/6	0/4
<i>Klebsiella</i> species	Trachea	Culture	0/12	0/8	0/10	0/8	0/12
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/12	0/8	0/10	0/8	0/12
<i>Staphylococcus aureus</i>	Trachea	Culture	0/12	0/8	0/10	0/8	0/12
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Beta-hemolytic Streptococcus (S. pyogenes, S. agalactiae)</i> <i>Streptococcus pneumoniae</i>	Trachea	Culture	0/12	0/8	0/10	0/8	0/12
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/8



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BACTERIA & MYCOPLASMA							
Continued							
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/12	0/8	0/10	0/8	0/12
Fecal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Feces	Culture	-	-	-	-	-
<i>Clostridium (Bacillus) piliforme</i>	Serum	ELISA	0/8	0/6	0/8	0/6	0/8
<i>Helicobacter</i> species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine /Feces	PCR	0/12	0/8	0/10	0/8	0/12
PARASITES & PROTOZOA							
Fleas, fur mites, lice	Fur	Micro PCR	0/12 0/4	0/8	0/10 0/4	0/8	0/12 0/4
Follicle mites (<i>Psorergates simplex</i>)	Subcutis	Visual	0/12	0/8	0/10	0/8	0/12
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/12	0/8	0/10	0/8	0/12
Roundworms and other helminths	Intestine	Visual	0/12	0/8	0/10	0/8	0/12
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/12	0/8	0/10	0/8	0/12
Trichomonads	Intestine	Micro	0/12	0/8	0/10	0/8	0/12
Other intestinal protozoa, including: <i>Spiroucleus muris</i> <i>Giardia muris</i> Amoebae	Intestine	Micro	0/12	0/8	0/10	0/8	0/12
SPOROZOA & FUNGI							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/4	0/6	0/4	0/6	0/4
<i>Pneumocystis murina</i> **	Lung	PCR	0/8	0/4	0/6	0/4	0/8

The M3 area is an 18 room, barrier-maintained production building located on the campus of the University of California, Davis. Colonies of mice have been established by embryo transfer derivation into the M3 facility.

**This test is done only in rooms where severely immunodeficient mice are housed.