



MMRRC Production Facility
Area: UCD-M3-13
Rodent Health Surveillance

Date: January 31, 2020
Summary MMRRC Basic Profile
Data added Jan 2020
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 13 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	Jan'20	Oct'19	Jul'19	Apr'19	Jan'19
VIRUSES							
Ectromelia virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
K virus	Serum	ELISA	0/8	0/4	0/4	0/2	0/6
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/8	0/4	0/8	0/2	0/6
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/8	0/4	0/8	0/2	0/6
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/8	0/4	0/8	0/2	0/6
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/8	0/4	0/8	0/2	0/6
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/8	0/4	0/8	0/2	0/6
Mouse hepatitis virus (MHV)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
	Feces	PCR	0/4	0/4	0/4	0/2	0/2
Mouse parvovirus (MPV)	Serum	ELISA	0/6	0/6	0/8	0/6	0/6
	Mes LN	PCR	0/6	0/6	0/8	0/6	0/8
Mouse kidney parvovirus (MKPV)	Kidney	PCR	-	0/4	-	0/4	-
Mouse thymic virus (MTV)	Serum	IFA	0/8	0/4	0/8	0/2	0/6
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
Polyoma virus	Serum	ELISA	0/8	0/4	0/4	0/2	0/6
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/8	0/4	0/8	0/2	0/6
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
Sendai virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
BACTERIA & MYCOPLASMA							
CAR bacillus	Serum	ELISA	0/8	0/4	0/8	0/2	0/6
<i>Klebsiella</i> species	Trachea	Culture	0/10	0/10	0/12	0/8	0/8
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/10	0/10	0/12	0/8	0/8
<i>Staphylococcus aureus</i>	Trachea	Culture	0/10	0/10	0/12	0/8	0/8
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	0/10	0/10	0/12	0/8	0/8
<i>Mycoplasma arthritis</i> <i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6



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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	0/10	0/12	0/8	0/8
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	0/6
<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	0/10	0/12	0/8	0/8
PARASITES & PROTOZOA							
Fleas, fur mites, lice	Fur	Micro PCR	0/12 0/4	0/10	0/12 0/4	0/8	0/8
Follicle mites (<i>Psorergates simplex</i>)	Subcutis	Visual	0/12	0/10	0/12	0/8	0/8
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/12	0/10	0/12	0/8	0/8
Roundworms and other helminths	Intestine	Visual	0/12	0/10	0/12	0/8	0/8
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/12	0/10	0/12	0/8	0/8
Trichomonads	Intestine	Micro	0/12	0/10	0/12	0/8	0/8
Other intestinal protozoa, including: <i>Spironucleus muris</i> <i>Giardia muris</i> Amoebae	Intestine	Micro	0/12	0/10	0/12	0/8	0/8
SPOROZOA & FUNGI							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/8	0/4	0/10	0/2	0/6
<i>Pneumocystis murina</i> **	Lung	PCR	0/8	0/8	0/8	0/4	0/4

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.