

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 4 at UC Davis, CA. Data are reported as positive tests / total tests performed. Please contact the MMRRC at 530-754-6677 or email <mailto:mmrrc@ucdavis.edu> with questions about this report or animal health related issues.



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Organism	Sample	Test Method	Jan '22	Sept'21	Apr'21	Jan'21	Oct'20
VIRUSES							
Ectromelia virus	Serum	MFI/ ELISA	0/4	0/4	0/6	0/6	0/6
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/4	0/4	0/6	0/6	0/6
K virus	Serum	ELISA	0/4	0/4	0/6	0/2	0/2
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/4	0/4	0/6	0/2	0/6
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/4	0/4	0/6	0/2	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/4	0/4	0/6	0/2	0/6
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/4	0/4	0/6	0/6	0/6
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/4	0/4	0/6	0/2	0/6
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/4	0/4	0/6	0/2	0/6
Mouse hepatitis virus (MHV)	Serum Feces	MFI/ ELISA PCR	0/4 0/8	0/4 0/8	0/6 0/2	0/6 0/2	0/6 0/2
Mouse parvovirus (MPV)	Serum Mes LN	ELISA PCR	0/4 0/8	0/4 0/8	0/6 0/6	0/6 0/6	0/6 0/6
Mouse thymic virus (MTV)	Serum	IFA	0/4	0/4	0/6	0/2	0/6
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/4	0/4	0/6	0/6	0/6
Polyoma virus	Serum	ELISA	0/4	0/4	0/6	0/2	0/2
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/4	0/4	0/6	0/2	0/6
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/4	0/4	0/6	0/6	0/6
Sendai virus	Serum	MFI/ ELISA	0/4	0/4	0/6	0/6	0/6
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/4	0/4	0/6	0/6	0/6
BACTERIA & MYCOPLASMA							
CAR bacillus	Serum	ELISA	0/4	0/4	0/6	0/2	0/6
<i>Klebsiella</i> species	Trachea/Naso	Culture	0/4	0/4	0/8	0/8	0/8
<i>Pasteurella pneumotropica</i>	Trachea/Naso	Culture	0/4	0/4	0/8	0/8	0/8
<i>Staphylococcus aureus</i>	Trachea/Naso	Culture	0/4	0/4	0/8	0/8	0/8
<i>Corynebacterium bovis</i>	Trachea/Naso/Skin Skin/Fur	Culture PCR	0/4	0/4 0/4	- -	- -	- -
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus</i> species	Trachea/Naso	Culture	0/4	0/4	0/8	0/8	0/8
<i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/4	0/4	0/6	0/6	0/6

Organism	Sample	Test Method	Jan '22	Sept 21	Apr'21	Jan'21	Oct'20
BACTERIA & MYCOPLASMA							
Continued							
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine/Feces	Culture	0/4	0/4	0/8	0/8	0/8
<i>Clostridium (Bacillus) piliforme</i>	Serum	ELISA	0/4	0/4	0/6	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	0/8	0/8	0/8	0/8	0/8
PARASITES & PROTOZOA							
Fleas, fur mites, lice	Fur Skin/Fur	Visual PCR	0/4 -	0/4 0/4	0/8 -	0/8 0/4	0/8 -
Follicle mites (<i>Psorergates simplex</i>)	Subcutis	Visual	0/4	0/4	0/8	0/8	0/8
Pinworms, e.g., <i>Syphacia</i> species	Cecum Feces	Visual PCR	0/4 0/4	0/4 -	0/8 0/4	0/8 -	0/8 -
Roundworms and other helminths	Intestine	Visual	0/4	0/4	0/8	0/8	0/8
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/4	0/4	0/8	0/8	0/8
Trichomonads	Intestine	Microscopic	0/4	0/4	0/8	0/8	0/8
Other intestinal protozoa, including: <i>Spiroucleus muris</i> <i>Giardia muris</i> Amoebae	Intestine	Microscopic	0/4	0/4	0/8	0/8	0/8
SPOROZOA & FUNGI							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/4	0/4	0/6	0/2	0/6
<i>Pneumocystis murina</i> **	Lung	PCR	0/4	0/4	0/4	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 importation facility (Room 1).

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