

This report summarizes the cumulative results of tests performed on dirty bedding sentinels from MBP Room 111 at UC Davis, CA. Note data are reported as positive tests / total tests performed. Please contact the Mouse Biology Program at 530-757-3333 or email mbp@ucdavis.edu with questions about this report or animal health related issues.



Kristin N. Grimsrud, D.V.M., Ph.D.
Associate Director of Vivaria and Veterinary Care, Mouse Biology
Program
University of California, Davis

Organism	Sample	Test Method	Dec '21	Mar '22	Jun '22	Sep '22	Dec '22	Mar '23
VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/24	0/20	0/20	0/26	0/14	0/12
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Mouse hepatitis virus (MHV)	Serum	MFI/ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/24 0/48	0/20 0/40	0/20 0/40	0/26 0/52	0/14 0/28	0/12 0/24
Pneumonia virus of mice (PVM)	Serum	ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Reovirus 3 (REO 3)	Serum	ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Rotavirus (EDIM)	Serum	ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Sendai virus	Serum	ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Murine norovirus (MNV)	Serum	ELISA	0/24	0/20	0/20	0/26	0/14	0/12
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/24	0/20	0/20	0/26	0/14	0/12
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/24	0/20	0/20	0/26	0/14	0/12
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/24	0/20	0/20	0/26	0/14	0/12
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus β hemolytic</i>	Nasopharynx	Culture	6/24 (non-bovis corynebact erium sp.)	0/20	0/20	7/24 (non-bovis corynebact erium sp.)	2/14 (C. mastitidis)	0/12
<i>Corynebacterium bovis</i>	Skin swab	PCR	NT ⁵	NT ⁵	NT ⁵	NT ⁵	NT ⁵	NT ⁵
<i>Mycoplasma arthritis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/24	0/20	0/20	0/26	0/14	0/12
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/24	2/20 (A. baumanni i.)	0/20	1/26 (P. fulva.)	0/14	0/12

Organism	Sample	Test Method	Dec '21	Mar '22	Jun '22	Sep '22	Dec '22	Mar '23
BACTERIA & MYCOPLASMA								
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/48	0/40	0/40	0/52	0/28	0/24
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/24	0/20	0/20	0/26	0/14	0/12
Fur mites	Fur/ bedding	PCR	0/12	0/10	0/14	0/14	0/6	0/6
Follicle mites (<i>Psorergates simplex</i>)	Subcutis	Visual	0/24	0/20	0/20	0/26	0/14	0/12
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/24	0/20	0/20	0/26	0/14	0/12
Roundworms and other helminths	Intestine	Visual	0/24	0/20	0/20	0/26	0/14	0/12
Pinworms, e.g., <i>Syphacia</i> species	Feces	PCR	0/12	0/24	0/12	0/24	0/16	0/12
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/24	0/20	0/20	0/26	0/14	0/12
Trichomonads	Intestine	Micro	0/24	0/20	0/20	0/26	0/14	0/12
Other intestinal protozoa, including: <i>Spirotrunculus muris</i> <i>Giardia muris</i> <i>Entamoeba muris</i>	Intestine	Micro	0/24	0/20	0/20	0/26	0/14	0/12

¹LN = Lymph Node

²NT = Not Tested. Fur mite PCR screening is performed on a semi-annual basis.

⁴NT = Not Tested. Beginning in March 2021, pinworms PCR screening is performed on a semi-annual basis

⁵NT = Not Tested. We were notified sentinel mice were exposed to *C. bovis* from stock colony prior to transport to MBP 2nd Street vivarium. Once informed, all sentinel animals were submitted for screening and we received notice of positive test results for *C. bovis* on May 28, 2021. Further screening of animals in room is in progress and on June 1, 2021 new sentinels were obtained from a different source/vendor. There are currently no positives on swabs, and testing moving forward on sentinels will be performed regularly through culture, and PCR from swab samples will only be performed if lesions are present.

The MBP 2nd Street Facility area is a 7-room, conventional production building located at the University of California, Davis.