

This report summarizes the cumulative results of tests performed on dirty bedding sentinels from MBP Room 110 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](mailto:mbp@ucdavis.edu) with questions about this report or animal health related issues.



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Organism	Sample	Test Method	Sep '20	Dec '20	Mar '21	Jun '21	Sep '21	Current through 11/02/21
<b>VIRUSES</b>								
Ectromelia virus	Serum	MFI/ELISA	0/14	0/19	0/22	0/30	0/12	0/8
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/14	0/19	0/22	0/30	0/12	0/8
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/14	0/19	0/22	0/30	0/12	0/8
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/14	0/19	0/22	0/30	0/12	0/8
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/14	0/19	0/22	0/30	0/12	0/8
Mouse hepatitis virus (MHV)	Serum/ Feces	MFI/ELISA PCR	0/14 0/28	0/19 0/39	0/22 0/43	0/30 0/26	0/12 0/24	0/8 0/16
Mouse parvovirus (MPV)	Serum/ LN <sup>1</sup>	ELISA PCR	0/14 0/28	0/19 0/39	0/22 0/43	0/30 0/26	0/12 0/24	0/8 0/16
Pneumonia virus of mice (PVM)	Serum	ELISA	0/14	0/19	0/22	0/30	0/12	0/8
Reovirus 3 (REO 3)	Serum	ELISA	0/14	0/19	0/22	0/30	0/12	0/8
Rotavirus (EDIM)	Serum	ELISA	0/14	0/19	0/22	0/30	0/12	0/8
Sendai virus	Serum	ELISA	0/14	0/19	0/22	0/30	0/12	0/8
Murine norovirus (MNV)	Serum	ELISA	0/14	0/19	0/22	0/30	0/12	0/8
LDHV	Serum		0/14	0/19	0/22	0/30	0/12	0/8
<b>BACTERIA &amp; MYCOPLASMA</b>								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/14	0/20	0/22	0/30	0/12	0/8
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/14	0/20	0/22	0/30	0/12	0/8
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/14	0/20	0/22	0/30	0/12	0/8
<i>Pneumocystis murina</i>	Lung	PCR	0/14	0/20	0/20	0/14	0/12	0/8
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	0/14	0/20	0/22	<b>7/30</b> ( <i>C. bovis</i> ) <sup>5</sup>	0/12	0/8
<i>Cornebacterium bovis</i>	Skin swab	PCR	NT <sup>5</sup>	NT <sup>5</sup>	NT <sup>5</sup>	<b>32/32</b>	NT <sup>5</sup>	NT <sup>5</sup>
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/14	0/20	0/22	0/30	0/12	0/8

Organism	Sample	Test Method	Sep '20	Dec '20	Mar '21	Jun '21	Sep '21	Current through 11/02/21
<b>BACTERIA &amp; MYCOPLASMA</b>								
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	<b>2/14</b> (2/12 <i>P. aeruginosa</i> )	<b>2/20</b> (2/2 <i>P. aeruginosa</i> )	0/22	<b>2/30</b> (2/2 <i>P. aeruginosa</i> )	0/12	0/8
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/28	0/39	0/43	0/26	0/24	0/16
<b>PARASITES &amp; PROTOZOA</b>								
Fleas, fur mites, lice	Fur	Micro	0/14	0/20	0/22	0/30	0/10	0/8
Fur mites	Fur/ bedding	PCR	0/12	0/6	0/14	NT <sup>2</sup>	0/10	NT <sup>2</sup>
Follicle mites ( <i>Psorergates simplex</i> )	Subcutis	Visual	0/14	0/20	0/22	0/30	0/10	0/8
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/14	0/20	0/22	0/30	0/10	0/8
Roundworms and other helminths	Intestine	Visual	0/14	0/20	0/22	0/30	0/10	0/8
Pinworms, e.g., <i>Syphacia</i> species	Feces	PCR	NT <sup>4</sup>	NT <sup>4</sup>	0/8	0/26	NT <sup>4</sup>	0/16
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/14	0/20	0/22	0/30	0/10	0/8
Trichomonads	Intestine	Micro	0/14	0/20	0/22	0/30	0/10	0/8
Other intestinal protozoa, including: <i>Spirotrunculus muris</i> <i>Giardia muris</i>	Intestine	Micro	0/14	0/20	0/22	0/30	0/10	0/8

<sup>1</sup>LN = Lymph Node

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

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

<sup>5</sup>NT = 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 2<sup>nd</sup> Street Facility area is a 7-room, conventional production building located at the University of California, Davis.