

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 with questions about this report or animal health related issues.



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| Organism | Sample | Test Method | Jun '22 | Sep '22 | Dec '22 | Mar '23 | Jun '23 | Sep '23 |
|--|---------------------------|------------------|---|---|-----------------|-----------------|-----------------|--|
| VIRUSES | | | | | | | | |
| Ectromelia virus | Serum | MFI/ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| GDVII (Theiler's) virus | Serum | MFI/ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Lymphocytic choriomeningitis (LCMV) | Serum | MFI/ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Minute virus of mice (MVM) | Serum | MFI/ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Mouse adenovirus of mice (MAV 1 & 2) | Serum | MFI/ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Mouse hepatitis virus (MHV) | Serum/ Feces | MFI/ELISA PCR | 0/10 0/20 | 0/10 0/20 | 0/10 0/20 | 0/6 0/12 | 0/6 0/12 | 0/6 0/12 |
| Mouse parvovirus (MPV) | Serum/ LN ¹ | ELISA PCR | 0/10 0/20 | 0/10 0/20 | 0/10 0/20 | 0/6 0/12 | 0/6 0/12 | 0/6 0/12 |
| Pneumonia virus of mice (PVM) | Serum | ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Reovirus 3 (REO 3) | Serum | ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Rotavirus (EDIM) | Serum | ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Sendai virus | Serum | ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Murine norovirus (MNV) | Serum | ELISA | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| LDHV | Serum | | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| BACTERIA & MYCOPLASMA | | | | | | | | |
| <i>Klebsiella</i> species | Nasopharynx | Culture | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| <i>Pasteurella pneumotropica</i> | Nasopharynx | Culture | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| <i>Staphylococcus aureus</i> | Nasopharynx | Culture | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| <i>Pneumocystis murina</i> | Lung | PCR | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| 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 | 1/10 (non-bovis <i>Corynebacterium</i>) | 1/10 (non-bovis <i>Corynebacterium</i>) | 0/10 | 0/6 | 0/6 | 1/6 (non-bovis <i>Corynebacterium</i>) |
| <i>Cornebacterium 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 | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |

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|---|-----------------|-------------|---------|---------|---|-----------------|---------|---------|
| BACTERIA & MYCOPLASMA | | | | | | | | |
| Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species | Intestine | Culture | 0/10 | 0/10 | 2/10 (<i>Myroides</i> <i>sp./C.</i> <i>indologenes</i>) | 0/6 | 0/6 | 0/6 |
| Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i> | Intestine/Feces | PCR | 0/20 | 0/20 | 0/20 | 0/12 | 0/12 | 0/12 |
| PARASITES & PROTOZOA | | | | | | | | |
| Fleas, fur mites, lice | Fur | Micro | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Fur mites | Fur/ bedding | PCR | 0/4 | 0/6 | 0/4 | 0/6 | 0/2 | 0/4 |
| Follicle mites (<i>Psorergates simplex</i>) | Subcutis | Visual | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Pinworms, e.g., <i>Syphacia</i> species | Cecum | Visual | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Roundworms and other helminths | Intestine | Visual | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Pinworms, e.g., <i>Syphacia</i> species | Feces | PCR | 0/12 | 0/8 | 0/8 | NT ⁴ | 0/8 | 0/4 |
| Tapeworms, e.g., <i>Hymenolepis</i> species | Intestine | Visual | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Trichomonads | Intestine | Micro | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |
| Other intestinal protozoa, including: <i>Spirotrunculus muris</i> <i>Giardia muris</i> | Intestine | Micro | 0/10 | 0/10 | 0/10 | 0/6 | 0/6 | 0/6 |

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 the stock colony prior to transport to MBP 2nd Street vivarium. Upon notification, 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 was performed and on June 1, 2021 new sentinels were obtained from a different source/vendor. After 6 month of consecutive negative swabs, supplementary swabbing was discontinued. Sentinel testing continues to be performed regularly through culture, with PCR from swab samples only conducted if lesions are present.

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