



# JAX<sup>®</sup> Mice, Clinical & Research Services (JMCRS)

## Production Health Report

Area: EM06

### HEALTH STATUS

- PATHOGEN & OPPORTUNIST FREE
- PATHOGEN FREE

### BARRIER LEVEL

- MAXIMUM BARRIER
- HIGH BARRIER
- STANDARD BARRIER

Please consult our website for descriptions of our health statuses and barrier levels.

### PATHOGENS AND OTHER ORGANISMS- EXCLUDED FROM ALL BARRIERS (SHIPPING STOPPED)

If one of these organisms is found in any JMCRS area, all shipments are suspended and customers are notified.\*

| Organism                                      | Sample Tested      | Test Method | Frequency   | Test Results: #positive/#tested |            |            |           |                    |  |
|---|--------------------|-------------|-------------|---------------------------------|------------|------------|-----------|--------------------|--|
|   |                    |             |             | Apr 11 '22                      | Feb 28 '22 | Jan 17 '22 | Dec 6 '21 | Previous 12 months |  |
| <b>VIRUSES</b>                                |                    |             |             |                                 |            |            |           |                    |  |
| Ectromelia virus                              | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| GDVII (Theiler's) virus                       | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Hantaan virus                                 | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| K virus                                       | Serum              | ELISA       | annually    | 0/16                            | -          | -          | -         | 0/19               |  |
| LDH elevating virus (LDEV)                    | Serum              | Enzyme      | annually    | -                               | 0/10       | -          | -         | 0/10               |  |
| Lymphocytic choriomeningitis (LCMV)           | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Mouse adenovirus (MAV)                        | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Mouse cytomegalovirus (MCMV)                  | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Murine chapparravirus (MuCPV)                 | Cecum or feces     | PCR         | 6 weeks     | 0/06                            | 0/36       | 0/06       | 0/06      | 0/54               |  |
| Mouse hepatitis virus (MHV)                   | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Mouse minute virus (MMV)                      | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Mouse norovirus (MNV)                         | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Mouse parvovirus (MPV)                        | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Mouse parvovirus (MPV)†                       | Lymph node         | PCR         | 6 weeks     | 0/11                            | 0/12       | 0/11       | 0/11      | 0/73               |  |
| Mouse thymic virus (MTV)                      | Serum              | IFA         | quarterly   | 0/16                            | 0/24       | -          | -         | 0/93               |  |
| Pneumonia virus of mice (PVM)                 | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Polyoma virus                                 | Serum              | ELISA       | annually    | 0/16                            | -          | -          | -         | 0/19               |  |
| Reovirus 3 (REO 3)                            | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Rotavirus (EDIM)                              | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| Sendai virus                                  | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| <b>BACTERIA &amp; MYCOPLASMA</b>              |                    |             |             |                                 |            |            |           |                    |  |
| <i>Bordetella</i> spp.                        | Oropharynx         | Culture     | 6 weeks     | 0/27                            | 0/36       | 0/27       | 0/68      | 0/841              |  |
| <i>Citrobacter rodentium</i>                  | Intestine or feces | Culture     | 6 weeks     | 0/61                            | 0/36       | 0/352      | 0/830     | 0/2177             |  |
| <i>Clostridium piliforme</i>                  | Serum              | ELISA       | quarterly   | 0/16                            | 0/24       | -          | -         | 0/93               |  |
| <i>Corynebacterium bovis</i>                  | Oropharynx/skin    | Culture     | 6 weeks     | 0/38                            | 0/48       | 0/38       | 0/79      | 0/914              |  |
| <i>Corynebacterium kutscheri</i>              | Oropharynx         | Culture     | 6 weeks     | 0/27                            | 0/36       | 0/27       | 0/68      | 0/841              |  |
| <i>Filobacterium rodentium</i> (CAR bacillus) | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| <i>Mycoplasma pulmonis</i>                    | Serum              | MFI         | 6 weeks     | 0/16                            | 0/24       | 0/16       | 0/16      | 0/170              |  |
| <i>Mycoplasma</i> spp.                        | Oropharynx         | PCR         | semi-annual | -                               | -          | 0/06       | -         | 0/12               |  |
| <i>Salmonella</i> spp.                        | Intestine or feces | Culture     | 6 weeks     | 0/61                            | 0/36       | 0/352      | 0/830     | 0/2177             |  |
| <i>Streptobacillus moniliformis</i>           | Oropharynx         | Culture     | 6 weeks     | 0/27                            | 0/36       | 0/27       | 0/68      | 0/841              |  |

[\\*Additional details regarding our health monitoring program and shipping policy.](#)

†The indicated tests are only performed in rooms that house immunodeficient mice.

Test Results: #positive/#tested

| Organism   | Sample Tested      | Test Method | Frequency   | Apr 11 '22 | Feb 28 '22 | Jan 17 '22 | Dec 6 '21 | Previous 12 months |
|--|--------------------|-------------|-------------|------------|------------|------------|-----------|--------------------|
| <b>PARASITES</b>   |                    |             |             |            |            |            |           |                    |
| <i>Encephalitozoon cuniculi</i>                          | Serum              | MFI         | 6 weeks     | 0/16       | 0/24       | 0/16       | 0/16      | 0/170              |
| Ectoparasites (fleas, lice, mites)                       | Fur                | Visual      | 6 weeks     | 0/06       | 0/36       | 0/06       | 0/06      | 0/54               |
| Endoparasites (tapeworms, pinworms, and other helminths) | Intestine or cecum | Visual      | 6 weeks     | 0/06       | 0/36       | 0/06       | 0/06      | 0/54               |
| Follicle mites   | Subcutis           | Visual      | 6 weeks     | 0/27       | 0/36       | 0/27       | 0/27      | 0/243              |
| Protozoa (e.g., Giardia, Spironucleus, etc.)             | Intestine          | Microscopy  | 6 weeks     | 0/06       | 0/36       | 0/06       | 0/06      | 0/54               |
| <i>Toxoplasma gondii</i>                                 | Serum              | ELISA       | semi-annual | -          | -          | 0/06       | -         | 0/12               |

**OPPORTUNISTIC ORGANISMS MONITORED (SHIPPING NOT STOPPED)**

All of these organisms are excluded from JMCRS **maximum and high barriers**, and most are excluded from **standard barrier** areas. When a confirmed finding of an excluded organism is made, an investigation is undertaken to identify and eliminate all infected mice from the barrier. Positive results- including results from investigations- are noted in this report, but shipping from the area is not suspended.\*

| Organism   | Sample Tested                   | Test Method | Frequency   | Apr 11 '22 | Feb 28 '22 | Jan 17 '22 | Dec 6 '21 | Previous 12 months |
|--|---------------------------------|-------------|-------------|------------|------------|------------|-----------|--------------------|
| Dermatophytes  | Skin swabs                      | Culture     | semi-annual | -          | -          | 0/06       | -         | 0/0                |
| <i>Helicobacter</i> spp.   | Intestine or feces              | PCR         | 6 weeks     | 0/06       | 0/36       | 0/06       | 0/06      | 0/54               |
| <i>Klebsiella pneumoniae</i>   | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/61       | 0/36       | 0/352      | 0/871     | 0/2775             |
| <i>Klebsiella oxytoca</i>  | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/61       | 0/36       | 0/352      | 0/871     | 0/2775             |
| <i>Pasteurella multocida</i>   | Oropharynx                      | Culture     | 6 weeks     | 0/27       | 0/36       | 0/27       | 0/68      | 0/841              |
| <i>Rodentibacter pneumotropicus</i> ( <i>Pasteurella pneumotropica</i> ) | Oropharynx                      | Culture     | 6 weeks     | 0/27       | 0/36       | 0/27       | 0/68      | 0/841              |
| <i>Pneumocystis murina</i> †   | Lung                            | PCR         | 6 weeks     | 0/11       | 0/12       | 0/11       | 0/11      | 0/73               |
| <i>Proteus mirabilis</i>   | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/61       | 0/36       | 0/352      | 0/871     | 0/2775             |
| <i>Pseudomonas aeruginosa</i>  | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/61       | 0/36       | 0/352      | 0/871     | 0/2775             |
| <i>Staphylococcus aureus</i>   | Oropharynx                      | Culture     | 6 weeks     | 0/27       | 0/36       | 0/27       | 0/68      | 0/841              |
| <i>Streptococcus pneumoniae</i>  | Oropharynx                      | Culture     | 6 weeks     | 0/27       | 0/36       | 0/27       | 0/68      | 0/841              |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)                   | Oropharynx                      | Culture     | 6 weeks     | 0/27       | 0/36       | 0/27       | 0/68      | 0/841              |
| Trichomonads   | Intestine                       | Microscopy  | 6 weeks     | 0/06       | 0/36       | 0/06       | 0/06      | 0/54               |
| <i>Yersinia enterocolitica</i>   | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/61       | 0/36       | 0/352      | 0/871     | 0/2775             |
| <i>Yersinia pseudotuberculosis</i>                                       | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/61       | 0/36       | 0/352      | 0/871     | 0/2775             |

†The indicated tests are only performed in rooms that house immunodeficient mice.

**All tests were performed by The Jackson Laboratory.**

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