



# JAX® Mice, Clinical & Research Services (JMCRS)

## Production Health Report

Area: EM08

### 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 |           |            |           | Previous 12 months |
|---|--------------------|-------------|-------------|---------------------------------|-----------|------------|-----------|--------------------|
|   |                    |             |             | May 20 '24                      | Apr 8 '24 | Feb 26 '24 | Jan 1 '24 |                    |
| <b>VIRUSES</b>                                |                    |             |             |                                 |           |            |           |                    |
| Ectromelia virus                              | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| GDVII (Theiler's) virus                       | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Hantaan virus                                 | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| K virus                                       | Serum              | ELISA       | annually    | -                               | -         | 0/21       | -         | 0/54               |
| LDH elevating virus (LDEV)                    | Serum              | PCR         | annually    | -                               | 0/10      | -          | -         | 0/0                |
| Lymphocytic choriomeningitis (LCMV)           | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Mouse adenovirus (MAV)                        | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Mouse cytomegalovirus (MCMV)                  | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Murine chapparravirus (MuCPV)                 | Cecum or feces     | PCR         | 6 weeks     | 0/08                            | 0/09      | 0/06       | 0/06      | 0/93               |
| Mouse hepatitis virus (MHV)                   | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Mouse minute virus (MMV)                      | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Mouse norovirus (MNV)                         | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Mouse parvovirus (MPV)                        | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Mouse parvovirus (MPV)†                       | Lymph node         | PCR         | 6 weeks     | 0/08                            | 0/09      | 0/06       | 0/06      | 0/98               |
| Mouse thymic virus (MTV)                      | Serum              | IFA         | quarterly   | -                               | -         | 0/21       | 0/20      | 0/68               |
| Pneumonia virus of mice (PVM)                 | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Polyoma virus                                 | Serum              | ELISA       | annually    | -                               | -         | 0/21       | -         | 0/54               |
| Reovirus 3 (REO 3)                            | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| Rotavirus (EDIM)                              | Serum              | MFI         | 6 weeks     | 0/19                            | 0/16      | 0/21       | 0/20      | 0/181              |
| Sendai virus                                  | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| <b>BACTERIA &amp; MYCOPLASMA</b>              |                    |             |             |                                 |           |            |           |                    |
| <i>Bordetella</i> spp.                        | Oropharynx         | Culture     | 6 weeks     | 0/191                           | 0/187     | 0/269      | 0/208     | 0/631              |
| <i>Citrobacter rodentium</i>                  | Intestine or feces | Culture     | 6 weeks     | 0/296                           | 0/272     | 0/354      | 0/170     | 0/1281             |
| <i>Clostridium piliforme</i>                  | Serum              | ELISA       | quarterly   | -                               | -         | 0/21       | 0/20      | 0/68               |
| <i>Corynebacterium bovis</i> †¶               | Skin               | PCR         | 6 weeks     | 0/01                            | 0/08      | 0/01       | 0/01      | 0/70               |
| <i>Corynebacterium kutscheri</i>              | Oropharynx         | Culture     | 6 weeks     | 0/191                           | 0/187     | 0/269      | 0/208     | 0/631              |
| <i>Filobacterium rodentium</i> (CAR bacillus) | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| <i>Mycoplasma pulmonis</i>                    | Serum              | MFI         | 6 weeks     | 0/19                            | 0/18      | 0/21       | 0/20      | 0/181              |
| <i>Mycoplasma</i> spp.                        | Lung               | PCR         | semi-annual | -                               | -         | 0/06       | -         | 0/12               |
| <i>Salmonella</i> spp.                        | Intestine or feces | Culture     | 6 weeks     | 0/296                           | 0/272     | 0/354      | 0/170     | 0/1281             |
| <i>Streptobacillus moniliformis</i>           | Oropharynx         | Culture     | 6 weeks     | 0/191                           | 0/187     | 0/269      | 0/208     | 0/631              |

[\\*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   | May 20 '24 | Apr 8 '24 | Feb 26 '24 | Jan 1 '24 | Previous 12 months |
|--|--------------------|-------------|-------------|------------|-----------|------------|-----------|--------------------|
| <b>PARASITES</b>   |                    |             |             |            |           |            |           |                    |
| <i>Encephalitozoon cuniculi</i>                          | Serum              | MFI         | 6 weeks     | 0/19       | 0/18      | 0/21       | 0/20      | 0/181              |
| Ectoparasites (fleas, lice, mites)                       | Fur                | Visual      | 6 weeks     | 0/06       | 0/06      | 0/06       | 0/06      | 0/129              |
| Endoparasites (tapeworms, pinworms, and other helminths) | Intestine or cecum | Visual      | 6 weeks     | 0/06       | 0/06      | 0/06       | 0/06      | 0/129              |
| Follicle mites   | Subcutis           | Visual      | 6 weeks     | 0/27       | 0/27      | 0/27       | 0/26      | 0/261              |
| Protozoa (e.g., Giardia, Spironucleus, etc.)             | Intestine          | Microscopy  | 6 weeks     | 0/06       | 0/06      | 0/06       | 0/06      | 0/129              |
| <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   | May 20 '24 | Apr 8 '24 | Feb 26 '24 | Jan 1 '24 | Previous 12 months |
|--|---------------------------------|-------------|-------------|------------|-----------|------------|-----------|--------------------|
| Dermatophytes  | Skin swabs                      | Culture     | semi-annual | -          | -         | 0/06       | -         | 0/12               |
| <i>Helicobacter</i> spp.   | Intestine or feces              | PCR         | 6 weeks     | 0/08       | 0/09      | 0/06       | 0/06      | 0/93               |
| <i>Klebsiella pneumoniae</i>                                       | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/460      | 0/432     | 0/596      | 0/352     | 0/1669             |
| <i>Klebsiella oxytoca</i>  | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/460      | 0/432     | 0/596      | 0/352     | 0/1669             |
| <i>Pasteurella multocida</i>                                       | Oropharynx                      | Culture     | 6 weeks     | 0/191      | 0/187     | 0/269      | 0/208     | 0/631              |
| <i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i> | Oropharynx                      | Culture     | 6 weeks     | 0/191      | 0/187     | 0/269      | 0/208     | 0/631              |
| <i>Pneumocystis murina</i> †                                       | Lung                            | PCR         | 6 weeks     | 0/08       | 0/09      | 0/06       | 0/06      | 0/98               |
| <i>Proteus mirabilis</i>   | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/460      | 0/432     | 0/596      | 0/352     | 0/1669             |
| <i>Pseudomonas aeruginosa</i>                                      | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/460      | 0/432     | 0/596      | 0/352     | 0/1669             |
| <i>Staphylococcus aureus</i>                                       | Oropharynx                      | Culture     | 6 weeks     | 0/191      | 0/187     | 0/269      | 0/208     | 0/631              |
| <i>Streptococcus pneumoniae</i>                                    | Oropharynx                      | Culture     | 6 weeks     | 0/191      | 0/187     | 0/269      | 0/208     | 0/631              |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)             | Oropharynx                      | Culture     | 6 weeks     | 0/191      | 0/187     | 0/269      | 0/208     | 0/631              |
| Trichomonads   | Intestine                       | Microscopy  | 6 weeks     | 0/06       | 0/06      | 0/06       | 0/06      | 0/129              |
| <i>Yersinia enterocolitica</i>                                     | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/460      | 0/432     | 0/596      | 0/352     | 0/1669             |
| <i>Yersinia pseudotuberculosis</i>                                 | Oropharynx, intestine, or feces | Culture     | 6 weeks     | 0/460      | 0/432     | 0/596      | 0/352     | 0/1669             |

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

¶ One sample represents testing of 60 pooled animals

§ Testing for this organisms is also performed by PCR

‡This testing is performed by an outside vendor

All tests were performed by The Jackson Laboratory

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