

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 GRS area, all shipments are suspended and customers are notified.\*

| Organism                            | Sample Tested      | Test Method | Frequency | Test Results: #positive/#tested |            |            |           | Previous 12 months |
|-------------------------------------|--------------------|-------------|-----------|---------------------------------|------------|------------|-----------|--------------------|
|                                     |                    |             |           | Apr 8 '19                       | Feb 25 '19 | Jan 14 '19 | Dec 3 '18 |                    |
| <b>VIRUSES</b>                      |                    |             |           |                                 |            |            |           |                    |
| Ectromelia virus                    | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| GDVII (Theiler's) virus             | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Hantaan virus                       | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| K virus                             | Serum              | ELISA       | annually  | -                               | -          | -          | -         | 0/16               |
| LDH elevating virus (LDEV)          | Serum              | Enzyme      | annually  | 0/10                            | -          | -          | -         | 0/10               |
| Lymphocytic choriomeningitis (LCMV) | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Mouse adenovirus (MAV)              | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Mouse cytomegalovirus (MCMV)        | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Mouse hepatitis virus (MHV)         | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Mouse minute virus (MMV)            | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Mouse norovirus (MNV)               | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Mouse parvovirus (MPV)              | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Mouse parvovirus (MPV)†             | Lymph node         | PCR         | 6 weeks   | 0/06                            | 0/06       | 0/09       | 0/06      | 0/54               |
| Mouse thymic virus (MTV)            | Serum              | IFA         | quarterly | -                               | -          | 0/13       | 0/16      | 0/64               |
| Pneumonia virus of mice (PVM)       | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Polyoma virus                       | Serum              | ELISA       | annually  | -                               | -          | -          | -         | 0/16               |
| Reovirus 3 (REO 3)                  | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Rotavirus (EDIM)                    | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| Sendai virus                        | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| <b>BACTERIA &amp; MYCOPLASMA</b>    |                    |             |           |                                 |            |            |           |                    |
| <i>Bordetella</i> spp.              | Oropharynx         | Culture     | 6 weeks   | 0/22                            | 0/22       | 0/22       | 0/22      | 0/198              |
| CAR bacillus                        | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| <i>Citrobacter rodentium</i>        | Intestine or feces | Culture     | 6 weeks   | 0/22                            | 0/22       | 0/22       | 0/22      | 0/198              |
| <i>Clostridium piliforme</i>        | Serum              | ELISA       | quarterly | -                               | -          | 0/13       | 0/16      | 0/64               |
| <i>Corynebacterium bovis</i>        | Oropharynx/skin    | Culture     | 6 weeks   | 0/22                            | 0/22       | 0/22       | 0/22      | 0/200              |
| <i>Corynebacterium kutscheri</i>    | Oropharynx         | Culture     | 6 weeks   | 0/22                            | 0/22       | 0/22       | 0/22      | 0/198              |
| <i>Helicobacter</i> spp.            | Intestine or feces | PCR         | 6 weeks   | 0/06                            | 0/06       | 0/06       | 0/06      | 0/54               |
| <i>Mycoplasma pulmonis</i>          | Serum              | MFI         | 6 weeks   | 0/16                            | 0/16       | 0/13       | 0/16      | 0/144              |
| <i>Pasteurella</i> spp.             | Oropharynx         | Culture     | 6 weeks   | 0/22                            | 0/22       | 0/22       | 0/22      | 0/198              |
| <i>Salmonella</i> spp.              | Intestine or feces | Culture     | 6 weeks   | 0/22                            | 0/22       | 0/22       | 0/22      | 0/198              |
| <i>Streptobacillus moniliformis</i> | Oropharynx         | Culture     | 6 weeks   | 0/22                            | 0/22       | 0/22       | 0/22      | 0/198              |

\*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 8 '19 | Feb 25 '19 | Jan 14 '19 | Dec 3 '18 | Previous 12 months |
|--|--------------------|-------------|-----------|-----------|------------|------------|-----------|--------------------|
| <b>PARASITES &amp; PROTOZOA</b>                          |                    |             |           |           |            |            |           |                    |
| <i>Encephalitozoon cuniculi</i>                          | Serum              | MFI         | 6 weeks   | 0/16      | 0/16       | 0/13       | 0/16      | 0/144              |
| Ectoparasites (fleas, lice, mites)                       | Fur                | Visual      | 6 weeks   | 0/06      | 0/06       | 0/06       | 0/06      | 0/54               |
| Endoparasites (tapeworms, pinworms, and other helminths) | Intestine or cecum | Visual      | 6 weeks   | 0/06      | 0/06       | 0/06       | 0/06      | 0/54               |
| Follicle mites   | Subcutis           | Visual      | 6 weeks   | 0/22      | 0/22       | 0/22       | 0/22      | 0/198              |
| Opportunistic protozoa (e.g., Giardia, Spironucleus)     | Intestine          | Microscopy  | 6 weeks   | 0/06      | 0/06       | 0/06       | 0/06      | 0/54               |

### OPPORTUNISTIC ORGANISMS MONITORED (SHIPPING NOT STOPPED)

All of these organisms are excluded from GRS **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 8 '19   | Feb 25 '19  | Jan 14 '19  | Dec 3 '18   | Previous 12 months |
|--|---------------------------------|-------------|-----------|-------------|-------------|-------------|-------------|--------------------|
| <i>Klebsiella pneumoniae</i>                           | Oropharynx, intestine, or feces | Culture     | 6 weeks   | 0/22        | 0/22        | 0/22        | 0/22        | 0/198              |
| <i>Klebsiella</i> spp. other than <i>K. pneumoniae</i> | Oropharynx, intestine, or feces | Culture     | 6 weeks   | <b>5/22</b> | <b>4/22</b> | <b>3/22</b> | <b>9/22</b> | <b>60/198</b>      |
| Nonpathogenic protozoa (e.g., Trichomonads)            | Intestine                       | Microscopy  | 6 weeks   | 0/06        | 0/06        | 0/06        | 0/06        | 0/54               |
| <i>Pneumocystis murina</i> †                           | Lung                            | PCR         | 6 weeks   | 0/06        | 0/06        | 0/09        | 0/06        | 0/54               |
| <i>Proteus mirabilis</i>                               | Oropharynx, intestine, or feces | Culture     | 6 weeks   | 0/22        | 0/22        | 0/22        | 0/22        | 0/198              |
| <i>Pseudomonas</i> spp.                                | Intestine or feces              | Culture     | 6 weeks   | 0/22        | 0/22        | 0/22        | 0/22        | 0/198              |
| <i>Staphylococcus aureus</i>                           | Oropharynx                      | Culture     | 6 weeks   | 0/22        | 0/22        | 0/22        | 0/22        | 0/198              |
| <i>Streptococcus pneumoniae</i>                        | Oropharynx                      | Culture     | 6 weeks   | 0/22        | 0/22        | 0/22        | 0/22        | 0/198              |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D) | Oropharynx                      | Culture     | 6 weeks   | 0/22        | 0/22        | 0/22        | 0/22        | 0/198              |

| Gross Pathology   | Test Method     | Frequency | Apr 8 '19 | Feb 25 '19 | Jan 14 '19 | Dec 3 '18 | Previous 12 months |
|-------------------|-----------------|-----------|-----------|------------|------------|-----------|--------------------|
| Necropsy findings | Exam, histopath | 6 weeks   | 0/22      | 0/22       | 0/22       | 0/22      | 0/198              |

All tests were performed by The Jackson Laboratory

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