### Viruses

<table>
<thead>
<tr>
<th>Organism</th>
<th>Sample Tested</th>
<th>Test Method</th>
<th>Frequency</th>
<th>Feb 25 '19</th>
<th>Jan 14 '19</th>
<th>Dec 3 '18</th>
<th>Oct 22 '18</th>
<th>Previous 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ectromelia virus</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>GDVII (Theiler’s) virus</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Hantaan virus</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>K virus</td>
<td>Serum</td>
<td>ELISA</td>
<td>annually</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0/18</td>
</tr>
<tr>
<td>LDH elevating virus (LDEV)</td>
<td>Serum</td>
<td>Enzyme</td>
<td>annually</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0/10</td>
</tr>
<tr>
<td>Lymphocytic choriomeningitis (LCMV)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Mouse adenovirus (MADV)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Mouse cytomegalovirus (MCMV)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Mouse hepatitis virus (MHV)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Mouse minute virus (MMV)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Mouse norovirus (MNV)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Mouse parovirus (MPV)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Mouse parovirus (MPV)*</td>
<td>Lymph node</td>
<td>PCR</td>
<td>6 weeks</td>
<td>0/06</td>
<td>0/09</td>
<td>0/07</td>
<td>0/09</td>
<td>0/68</td>
</tr>
<tr>
<td>Mouse thymic virus (MTV)</td>
<td>Serum</td>
<td>IFA</td>
<td>quarterly</td>
<td>-</td>
<td>0/18</td>
<td>0/19</td>
<td>-</td>
<td>0/74</td>
</tr>
<tr>
<td>Pneumonia virus of mice (PVM)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Polyoma virus</td>
<td>Serum</td>
<td>ELISA</td>
<td>annually</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0/18</td>
</tr>
<tr>
<td>Reovirus 3 (REO 3)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Rotavirus (EDIM)</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Sendai virus</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
</tbody>
</table>

### Bacteria & Mycoplasma

<table>
<thead>
<tr>
<th>Organism</th>
<th>Sample Tested</th>
<th>Test Method</th>
<th>Frequency</th>
<th>Feb 25 '19</th>
<th>Jan 14 '19</th>
<th>Dec 3 '18</th>
<th>Oct 22 '18</th>
<th>Previous 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bordetella spp.</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/25</td>
<td>0/27</td>
<td>0/26</td>
<td>0/27</td>
<td>0/268</td>
</tr>
<tr>
<td>CAR bacillus</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Citrobacter rodentium</td>
<td>Intestine or feces</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/164</td>
<td>0/168</td>
<td>0/167</td>
<td>0/165</td>
<td>0/1466</td>
</tr>
<tr>
<td>Clostridium piliforme</td>
<td>Serum</td>
<td>ELISA</td>
<td>quarterly</td>
<td>-</td>
<td>0/18</td>
<td>0/19</td>
<td>0/19</td>
<td>0/74</td>
</tr>
<tr>
<td>Corynebacterium bovis</td>
<td>Oropharynx/skin</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/31</td>
<td>0/36</td>
<td>0/33</td>
<td>0/36</td>
<td>0/336</td>
</tr>
<tr>
<td>Corynebacterium kutscheri</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/25</td>
<td>0/27</td>
<td>0/26</td>
<td>0/27</td>
<td>0/268</td>
</tr>
<tr>
<td>Helicobacter spp.</td>
<td>Intestine or feces</td>
<td>PCR</td>
<td>6 weeks</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
<td>0/54</td>
</tr>
<tr>
<td>Mycoplasma pulmonis</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/19</td>
<td>0/18</td>
<td>0/19</td>
<td>0/18</td>
<td>0/166</td>
</tr>
<tr>
<td>Pasteurella spp.</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/25</td>
<td>0/27</td>
<td>0/26</td>
<td>0/27</td>
<td>0/268</td>
</tr>
<tr>
<td>Salmonella spp.</td>
<td>Intestine or feces</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/164</td>
<td>0/168</td>
<td>0/167</td>
<td>0/165</td>
<td>0/1466</td>
</tr>
<tr>
<td>Streptococcus moniliformis</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/25</td>
<td>0/27</td>
<td>0/26</td>
<td>0/27</td>
<td>0/268</td>
</tr>
</tbody>
</table>

*Additional details regarding our health monitoring program and shipping policy.*

†The indicated tests are only performed in rooms that house immunodeficient mice.
## PARASITES &PROTOZOA

**Encephalitozoon cuniculi**
- Sample Tested: Serum
- Test Method: MFI
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/19, Jan 14 '19: 0/18, Dec 3 '18: 0/19, Oct 22 '18: 0/18
- Previous 12 months: 0/166

**Ectoparasites (fleas, lice, mites)**
- Sample Tested: Fur
- Test Method: Visual
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/06, Jan 14 '19: 0/06, Dec 3 '18: 0/06, Oct 22 '18: 0/06
- Previous 12 months: 0/54

**Endoparasites (tapeworms, pinworms, and other helminths)**
- Sample Tested: Intestine or cecum
- Test Method: Visual
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/06, Jan 14 '19: 0/06, Dec 3 '18: 0/06, Oct 22 '18: 0/06
- Previous 12 months: 0/54

**Follicle mites**
- Sample Tested: Subcutis
- Test Method: Visual
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/25, Jan 14 '19: 0/27, Dec 3 '18: 0/26, Oct 22 '18: 0/27
- Previous 12 months: 0/234

**Opportunistic protozoa** (e.g., Giardia, Spironucleus)
- Sample Tested: Intestine
- Test Method: Microscopy
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/06, Jan 14 '19: 0/06, Dec 3 '18: 0/06, Oct 22 '18: 0/06
- Previous 12 months: 0/54

## 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.*

### Klebsiella pneumoniae
- Sample Tested: Oropharynx, intestine, or feces
- Test Method: Culture
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/164, Jan 14 '19: 0/168, Dec 3 '18: 0/167, Oct 22 '18: 0/165
- Previous 12 months: 0/1466

### Klebsiella spp. other than K. pneumoniae
- Sample Tested: Oropharynx, intestine, or feces
- Test Method: Culture
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/164, Jan 14 '19: 0/168, Dec 3 '18: 0/167, Oct 22 '18: 0/165
- Previous 12 months: 0/1466

### Nonpathogenic protozoa (e.g., Trichomonads)
- Sample Tested: Intestine
- Test Method: Microscopy
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/06, Jan 14 '19: 0/06, Dec 3 '18: 0/06, Oct 22 '18: 0/06
- Previous 12 months: 0/54

### Pneumocystis murina†
- Sample Tested: Lung
- Test Method: PCR
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/06, Jan 14 '19: 0/09, Dec 3 '18: 0/07, Oct 22 '18: 0/09
- Previous 12 months: 0/68

### Proteus mirabilis
- Sample Tested: Oropharynx, intestine, or feces
- Test Method: Culture
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/164, Jan 14 '19: 0/168, Dec 3 '18: 0/167, Oct 22 '18: 0/165
- Previous 12 months: 0/1466

### Pseudomonas spp.
- Sample Tested: Intestine or feces
- Test Method: Culture
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/164, Jan 14 '19: 0/168, Dec 3 '18: 0/167, Oct 22 '18: 0/165
- Previous 12 months: 0/1466

### Staphylococcus aureus
- Sample Tested: Oropharynx
- Test Method: Culture
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/25, Jan 14 '19: 0/27, Dec 3 '18: 0/26, Oct 22 '18: 0/27
- Previous 12 months: 0/268

### Streptococcus pneumoniae
- Sample Tested: Oropharynx
- Test Method: Culture
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/25, Jan 14 '19: 0/27, Dec 3 '18: 0/26, Oct 22 '18: 0/27
- Previous 12 months: 0/268

### Beta-hemolytic Streptococcus spp. (non-group D)
- Sample Tested: Oropharynx
- Test Method: Culture
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/25, Jan 14 '19: 0/27, Dec 3 '18: 0/26, Oct 22 '18: 0/27
- Previous 12 months: 0/268

## Gross Pathology

**Necropsy findings**
- Test Method: Exam, histopath
- Frequency: 6 weeks
- **Test Results:** Feb 25 '19: 0/25, Jan 14 '19: 0/27, Dec 3 '18: 0/26, Oct 22 '18: 0/27
- Previous 12 months: 0/234

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All tests were performed by The Jackson Laboratory

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James R. Fahey, MS, PhD, DVM, DACVM
Chief of Diagnostic Services & Associate Director
Comparative Medicine & Quality

The Jackson Laboratory
600 Main Street
Bar Harbor, ME 04609
1-800-422-6423

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