Research Animal Facility (RAF)
Health Report
Area: MGL371

PATHOGENS AND OTHER ORGANISMS- EXCLUDED FROM ALL BARRIERS (SHIPPING STOPPED)
If one of these organisms is found in any Research area, all shipments from the area are suspended and customers are notified.*

<table>
<thead>
<tr>
<th>Organism</th>
<th>Sample Tested</th>
<th>Test Method</th>
<th>Frequency</th>
<th>Nov '20</th>
<th>Aug '20</th>
<th>May '20</th>
<th>Feb '20</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VIRUSES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ectromelia virus</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>GDVII (Theiler's) virus</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Hantaan virus</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>K virus</td>
<td>Serum</td>
<td>ELISA</td>
<td>annually</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LDH elevating virus (LDEV)</td>
<td>Serum</td>
<td>Enzyme</td>
<td>annually</td>
<td>-</td>
<td>-</td>
<td>0/09</td>
<td>-</td>
</tr>
<tr>
<td>Lymphocytic choriomeningitis (LCMV)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Mouse adenovirus (MAV)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Mouse cytomegalovirus (MCMV)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Murine chapparvovirus (MuCPV)</td>
<td>Cecum or feces</td>
<td>PCR</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Mouse hepatitis virus (MHV)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Mouse minute virus (MMV)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Mouse parvovirus (MPV)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Mouse parvovirus (MPV)†</td>
<td>Lymph node</td>
<td>PCR</td>
<td>quarterly</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mouse thymic virus (MTV)</td>
<td>Serum</td>
<td>IFA</td>
<td>biannually</td>
<td>-</td>
<td>0/08</td>
<td>-</td>
<td>0/11</td>
</tr>
<tr>
<td>Pneumonia virus of mice (PVM)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Polyoma virus</td>
<td>Serum</td>
<td>ELISA</td>
<td>annually</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Reovirus 3 (REO 3)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Rotavirus (EDIM)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Sendai virus</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td><strong>BACTERIA &amp; MYCOPLASMA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bordetella spp</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Citrobacter rodentium</td>
<td>Intestine or feces</td>
<td>Culture</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Clostridium piliforme</td>
<td>Serum</td>
<td>ELISA</td>
<td>biannually</td>
<td>0/08</td>
<td>-</td>
<td>0/09</td>
<td>-</td>
</tr>
<tr>
<td>Corynebacterium bovis</td>
<td>Oropharynx/skin</td>
<td>Culture</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Corynebacterium kutscheri</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Filobacterium rodentium (CAR bacillus)</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Mycoplasma pulmonis</td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Salmonella spp</td>
<td>Intestine or feces</td>
<td>Culture</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</td>
</tr>
<tr>
<td>Streptobacillus moniliformis</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/09</td>
<td>0/11</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

<table>
<thead>
<tr>
<th>Organism</th>
<th>Sample Tested</th>
<th>Test Method</th>
<th>Frequency</th>
<th>Nov '20</th>
<th>Aug '20</th>
<th>May '20</th>
<th>Feb '20</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Encephalitozoon cuniculi</em></td>
<td>Serum</td>
<td>MFI</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/11</td>
<td></td>
</tr>
<tr>
<td>Ectoparasites (fleas, lice, mites)</td>
<td>Fur</td>
<td>Visual</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/11</td>
<td></td>
</tr>
<tr>
<td>Endoparasites (tapeworms, pinworms, and other helminths)</td>
<td>Intestine or cecum</td>
<td>Visual</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/11</td>
<td></td>
</tr>
<tr>
<td>Follicle mites</td>
<td>Subcutis</td>
<td>Visual</td>
<td>quarterly</td>
<td>0/08</td>
<td>0/08</td>
<td>0/11</td>
<td></td>
</tr>
</tbody>
</table>

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## OPPORTUNISTIC ORGANISMS MONITORED (SHIPPING NOT STOPPED)

All of these organisms are excluded from *elevated barriers* and most are excluded from *intermediate barriers*, but some of these organisms are currently tolerated in *low barrier* areas. When an excluded organism is found, 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.

### Helicobacter spp.
- Sample Tested: Intestine or feces
- Test Method: PCR
- Frequency: quarterly
- Results: 3/08, 0/08, 0/08, 0/11

### Klebsiella pneumoniae
- Sample Tested: Oropharynx, intestine, or feces
- Test Method: Culture
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Klebsiella oxytoca
- Sample Tested: Oropharynx, intestine, or feces
- Test Method: Culture
- Frequency: quarterly
- Results: 3/08, 0/08, 0/09, 0/11

### Mouse norovirus (MNV)
- Sample Tested: Serum
- Test Method: MFI
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Protozoa (e.g., Giardia, Spironucleus, etc.)
- Sample Tested: Intestine
- Test Method: Microscopy
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Pasteurella multocida
- Sample Tested: Oropharynx
- Test Method: Culture
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Rodenticacter pneumotropicus (Pasteurella pneumotropica)
- Sample Tested: Oropharynx
- Test Method: Culture
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Pneumocystis murina
- Sample Tested: Lung
- Test Method: PCR
- Frequency: quarterly
- Results: -

### Proteus mirabilis
- Sample Tested: Oropharynx, intestine, or feces
- Test Method: Culture
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Pseudomonas aeruginosa
- Sample Tested: Oropharynx, intestine, or feces
- Test Method: Culture
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Staphylococcus aureus
- Sample Tested: Oropharynx
- Test Method: Culture
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Streptococcus pneumoniae
- Sample Tested: Oropharynx
- Test Method: Culture
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Beta-hemolytic Streptococcus spp. (non-group D)
- Sample Tested: Oropharynx
- Test Method: Culture
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

### Trichomonads
- Sample Tested: Intestine
- Test Method: Microscopy
- Frequency: quarterly
- Results: 0/08, 0/08, 0/09, 0/11

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

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All tests were performed by The Jackson Laboratory

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

MGL371

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