

## Research Animal Facility (RAF) Health Report Area: A7

BARRIER LEVEL

ELEVATED BARRIER

INTERMEDIATE BARRIER

LOW BARRIER

Please consult our website for descriptions of our barrier levels.

### **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.\*

Test Results: #positive/#tested

| Organism                            | Sample Tested      | Test Method | Frequency  | Jan '20 | Oct '19 | Jul '19 | Apr '19 |
|-------------------------------------|--------------------|-------------|------------|---------|---------|---------|---------|
| <b>VIRUSES</b>                      |                    |             |            |         |         |         |         |
| Ectromelia virus                    | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| GDVII (Theiler's) virus             | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Hantaan virus                       | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| K virus                             | Serum              | ELISA       | annually   | -       | 0/12    | -       | -       |
| LDH elevating virus (LDEV)          | Serum              | Enzyme      | annually   | -       | -       | -       | 0/10    |
| Lymphocytic choriomeningitis (LCMV) | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Mouse adenovirus (MAV)              | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Mouse cytomegalovirus (MCMV)        | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Mouse hepatitis virus (MHV)         | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Mouse minute virus (MMV)            | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Mouse parvovirus (MPV)              | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Mouse parvovirus (MPV)†             | Lymph node         | PCR         | quarterly  | -       | -       | -       | 0/01    |
| Mouse thymic virus (MTV)            | Serum              | IFA         | biannually | 0/15    | -       | 0/15    | -       |
| Pneumonia virus of mice (PVM)       | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Polyoma virus                       | Serum              | ELISA       | annually   | -       | 0/12    | -       | -       |
| Reovirus 3 (REO 3)                  | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Rotavirus (EDIM)                    | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| Sendai virus                        | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| <b>BACTERIA &amp; MYCOPLASMA</b>    |                    |             |            |         |         |         |         |
| <i>Bordetella</i> spp.              | Oropharynx         | Culture     | quarterly  | 0/15    | 0/13    | 0/16    | 0/15    |
| CAR bacillus                        | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| <i>Citrobacter rodentium</i>        | Intestine or feces | Culture     | quarterly  | 0/15    | 0/13    | 0/15    | 0/15    |
| <i>Clostridium piliforme</i>        | Serum              | ELISA       | biannually | -       | 0/12    | -       | 0/14    |
| <i>Corynebacterium bovis</i>        | Oropharynx/skin    | Culture     | quarterly  | 0/15    | 0/13    | 0/16    | 0/16    |
| <i>Corynebacterium kutscheri</i>    | Oropharynx         | Culture     | quarterly  | 0/15    | 0/13    | 0/16    | 0/15    |
| <i>Mycoplasma pulmonis</i>          | Serum              | MFI         | quarterly  | 0/15    | 0/12    | 0/15    | 0/14    |
| <i>Salmonella</i> spp.              | Intestine or feces | Culture     | quarterly  | 0/15    | 0/13    | 0/15    | 0/15    |
| <i>Streptobacillus moniliformis</i> | Oropharynx         | Culture     | quarterly  | 0/15    | 0/13    | 0/16    | 0/15    |

\*[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 | Jan '20 | Oct '19 | Jul '19 | Apr '19 |
|--|--------------------|-------------|-----------|---------|---------|---------|---------|
| <b>PARASITES &amp; PROTOZOA</b>                          |                    |             |           |         |         |         |         |
| <i>Encephalitozoon cuniculi</i>                          | Serum              | MFI         | quarterly | 0/15    | 0/12    | 0/15    | 0/14    |
| Ectoparasites (fleas, lice, mites)                       | Fur                | Visual      | quarterly | 0/15    | 0/13    | 0/15    | 0/15    |
| Endoparasites (tapeworms, pinworms, and other helminths) | Intestine or cecum | Visual      | quarterly | 0/15    | 0/13    | 0/15    | 0/15    |
| Follicle mites   | Subcutis           | Visual      | quarterly | 0/15    | 0/13    | 0/15    | 0/15    |

### 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.\*

| Organism   | Sample Tested                   | Test Method | Frequency | Jan '20     | Oct '19     | Jul '19     | Apr '19     |
|--|---------------------------------|-------------|-----------|-------------|-------------|-------------|-------------|
| <i>Helicobacter</i> spp.                               | Intestine or feces              | PCR         | quarterly | 0/15        | 0/13        | 0/15        | 0/15        |
| <i>Klebsiella pneumoniae</i>                           | Oropharynx, intestine, or feces | Culture     | quarterly | 0/15        | 0/13        | 0/15        | 0/15        |
| <i>Klebsiella</i> spp. other than <i>K. pneumoniae</i> | Oropharynx, intestine, or feces | Culture     | quarterly | <b>2/15</b> | <b>1/13</b> | <b>1/15</b> | <b>1/15</b> |
| Mouse norovirus (MNV)                                  | Serum                           | MFI         | quarterly | 0/15        | 0/12        | 0/15        | 0/14        |
| Nonpathogenic protozoa (e.g., Trichomonads)            | Intestine                       | Microscopy  | quarterly | 0/15        | 0/13        | 0/15        | 0/15        |
| Opportunistic protozoa (e.g., Giardia, Spironucleus)   | Intestine                       | Microscopy  | quarterly | 0/15        | 0/13        | 0/15        | 0/15        |
| <i>Pasteurella pneumotropica</i>                       | Oropharynx                      | Culture     | quarterly | 0/15        | 0/13        | 0/16        | 0/15        |
| <i>Pneumocystis murina</i> †                           | Lung                            | PCR         | quarterly | -           | -           | -           | 0/01        |
| <i>Proteus</i> spp.                                    | Oropharynx, intestine, or feces | Culture     | quarterly | 0/15        | 0/13        | 0/15        | 0/15        |
| <i>Pseudomonas</i> spp.                                | Intestine or feces              | Culture     | quarterly | 0/15        | 0/13        | 0/15        | 0/15        |
| <i>Staphylococcus aureus</i>                           | Oropharynx                      | Culture     | quarterly | 0/15        | 0/13        | 0/16        | 0/15        |
| <i>Streptococcus pneumoniae</i>                        | Oropharynx                      | Culture     | 6 weeks   | 0/15        | 0/13        | 0/16        | 0/15        |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D) | Oropharynx                      | Culture     | 6 weeks   | 0/15        | 0/13        | 0/16        | 0/15        |

| Gross Pathology   | Test Method     | Frequency | Jan '20 | Oct '19 | Jul '19 | Apr '19 |
|-------------------|-----------------|-----------|---------|---------|---------|---------|
| Necropsy findings | Exam, histopath | quarterly | 0/15    | 0/13    | 0/15    | 0/15    |

All tests were performed by The Jackson Laboratory

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