



# Research Animal Facility (RAF)

## Health Report

### Area: MGL273 (M273)

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  | Oct '21 | Jul '21 | Apr '21 | Jan '21 |
|---|--------------------|-------------|------------|---------|---------|---------|---------|
| <b>VIRUSES</b>                                |                    |             |            |         |         |         |         |
| Ectromelia virus                              | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| GDVII (Theiler's) virus                       | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Hantaan virus                                 | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| K virus                                       | Serum              | ELISA       | annually   | 0/09    | -       | -       | -       |
| LDH elevating virus (LDEV)                    | Serum              | Enzyme      | annually   | -       | -       | 0/08    | -       |
| Lymphocytic choriomeningitis (LCMV)           | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Mouse adenovirus (MAV)                        | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Mouse cytomegalovirus (MCMV)                  | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Murine chapparrvovirus (MuCPV)                | Cecum or feces     | PCR         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Mouse hepatitis virus (MHV)                   | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Mouse minute virus (MMV)                      | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Mouse parvovirus (MPV)                        | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Mouse parvovirus (MPV)†                       | Lymph node         | PCR         | quarterly  | -       | -       | -       | -       |
| Mouse thymic virus (MTV)                      | Serum              | IFA         | biannually | -       | 0/07    | -       | 0/06    |
| Pneumonia virus of mice (PVM)                 | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Polyoma virus                                 | Serum              | ELISA       | annually   | 0/09    | -       | -       | -       |
| Reovirus 3 (REO 3)                            | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Rotavirus (EDIM)                              | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| Sendai virus                                  | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| <b>BACTERIA &amp; MYCOPLASMA</b>              |                    |             |            |         |         |         |         |
| <i>Bordetella</i> spp                         | Oropharynx         | Culture     | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| <i>Citrobacter rodentium</i>                  | Intestine or feces | Culture     | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| <i>Clostridium piliforme</i>                  | Serum              | ELISA       | biannually | 0/09    | -       | 0/08    | -       |
| <i>Corynebacterium bovis</i>                  | Oropharynx/skin    | Culture     | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| <i>Corynebacterium kutscheri</i>              | Oropharynx         | Culture     | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| <i>Filobacterium rodentium</i> (CAR bacillus) | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| <i>Mycoplasma pulmonis</i>                    | Serum              | MFI         | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| <i>Salmonella</i> spp.                        | Intestine or feces | Culture     | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |
| <i>Streptobacillus moniliformis</i>           | Oropharynx         | Culture     | quarterly  | 0/09    | 0/07    | 0/08    | 0/06    |

[\\*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 | Oct '21 | Jul '21 | Apr '21 | Jan '21 |
|--|--------------------|-------------|-----------|---------|---------|---------|---------|
| <b>PARASITES &amp; PROTOZOA</b>                          |                    |             |           |         |         |         |         |
| <i>Encephalitozoon cuniculi</i>                          | Serum              | MFI         | quarterly | 0/09    | 0/07    | 0/08    | 0/06    |
| Ectoparasites (fleas, lice, mites)                       | Fur                | Visual      | quarterly | 0/09    | 0/07    | 0/08    | 0/06    |
| Endoparasites (tapeworms, pinworms, and other helminths) | Intestine or cecum | Visual      | quarterly | 0/09    | 0/07    | 0/08    | 0/06    |
| Follicle mites   | Subcutis           | Visual      | quarterly | 0/09    | 0/07    | 0/08    | 0/06    |

### 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 | Oct '21     | Jul '21     | Apr '21     | Jan '21     |
|--|---------------------------------|-------------|-----------|-------------|-------------|-------------|-------------|
| <i>Helicobacter</i> spp.   | Intestine or feces              | PCR         | quarterly | <b>9/09</b> | <b>7/07</b> | <b>8/08</b> | <b>6/06</b> |
| <i>Klebsiella pneumoniae</i>   | Oropharynx, intestine, or feces | Culture     | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |
| <i>Klebsiella oxytoca</i>  | Oropharynx, intestine, or feces | Culture     | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |
| Mouse norovirus (MNV)  | Serum                           | MFI         | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |
| Protozoa (e.g., Giardia, Spironucleus, etc.)                             | Intestine                       | Microscopy  | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |
| <i>Pasteurella multocida</i>   | Oropharynx                      | Culture     | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |
| <i>Rodentibacter pneumotropicus</i> ( <i>Pasteurella pneumotropica</i> ) | Oropharynx                      | Culture     | quarterly | <b>2/09</b> | <b>0/07</b> | <b>5/08</b> | <b>4/06</b> |
| <i>Pneumocystis murina</i> †   | Lung                            | PCR         | quarterly | -           | -           | -           | -           |
| <i>Proteus mirabilis</i>   | Oropharynx, intestine, or feces | Culture     | quarterly | <b>1/09</b> | 0/07        | 0/08        | <b>1/06</b> |
| <i>Pseudomonas aeruginosa</i>  | Oropharynx, intestine, or feces | Culture     | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |
| <i>Staphylococcus aureus</i>   | Oropharynx                      | Culture     | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |
| <i>Streptococcus pneumoniae</i>  | Oropharynx                      | Culture     | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)                   | Oropharynx                      | Culture     | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |
| Trichomonads   | Intestine                       | Microscopy  | quarterly | 0/09        | 0/07        | 0/08        | 0/06        |

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

All tests were performed by The Jackson Laboratory

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

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