

## Health Monitoring Report for Mice

Institution: Harvard University Faculty of Arts and Sciences

Date: 23 September 2022

### Microbiological Entity/Unit

Building: BRI

Room(s): POD 5: 1501, 1508

### Entity/Unit type (mark the correct type) :

Conventional

☒ Barrier

Isolator

Other



### Contact person (name, e-mail, phone)

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### Testing Results:

| Testing Results:                                      |                |     |               | Most recent tests                                                    |                              | Historical results           |                   |
|-------------------------------------------------------|----------------|-----|---------------|----------------------------------------------------------------------|------------------------------|------------------------------|-------------------|
|                                                       |                |     |               | Tested subject<br><br>(sentinel, colony animal, environmental, etc.) |                              | Collected over 18 months     |                   |
| Testing Laboratory                                    | Testing method |     |               | Date                                                                 | No. positives/<br>No. tested | No. positives/<br>No. tested | Testing frequency |
| Viruses :                                             |                |     |               |                                                                      |                              |                              |                   |
| Ectromelia virus <sup>1</sup>                         | CRL            | PCR | Environmental | 28-Mar-22                                                            | 0/10                         | 0/10                         | Yearly            |
| Hantaviruses                                          | CRL            | PCR | Environmental | 23-Sep-22                                                            | 0/2                          | 0/20                         | Quarterly         |
| K virus                                               |                |     |               | Not tested                                                           |                              |                              |                   |
| Lactate dehydrogenase elevating virus                 |                |     |               | Not tested                                                           |                              |                              |                   |
| Lymphocytic choriomeningitis virus <sup>1</sup>       | CRL            | PCR | Environmental | 28-Mar-22                                                            | 0/10                         | 0/10                         | Yearly            |
| Mouse adenovirus (type 1) <sup>1</sup>                | CRL            | PCR | Environmental | 28-Mar-22                                                            | 0/10                         | 0/10                         | Yearly            |
| Mouse adenovirus (type 2) <sup>1</sup>                | CRL            | PCR | Environmental | 28-Mar-22                                                            | 0/10                         | 0/10                         | Yearly            |
| Mouse cytomegalovirus                                 |                |     |               | Not tested                                                           |                              |                              |                   |
| Mouse hepatitis virus <sup>1</sup>                    | CRL            | PCR | Environmental | 23-Sep-22                                                            | 0/2                          | 0/20                         | Quarterly         |
| Mouse norovirus <sup>1</sup>                          | CRL            | PCR | Environmental | 23-Sep-22                                                            | 0/2                          | 0/20                         | Quarterly         |
| Mouse rotavirus <sup>1</sup>                          | CRL            | PCR | Environmental | 23-Sep-22                                                            | 0/2                          | 0/20                         | Quarterly         |
| Mouse thymic virus                                    |                |     |               | Not tested                                                           |                              |                              |                   |
| Parvovirus <sup>1</sup>                               | CRL            | PCR | Environmental | 23-Sep-22                                                            | 0/2                          | 0/20                         | Quarterly         |
| - NS1                                                 |                |     |               | Not tested                                                           |                              |                              |                   |
| - MPV <sup>1</sup>                                    | CRL            | PCR | Environmental | 23-Sep-22                                                            | 0/2                          | 0/20                         | Quarterly         |
| - MVM <sup>1</sup>                                    | CRL            | PCR | Environmental | 23-Sep-22                                                            | 0/2                          | 0/20                         | Quarterly         |
| Polyoma virus                                         |                |     |               | Not tested                                                           |                              |                              |                   |
| Pneumonia virus of mice <sup>1</sup>                  | CRL            | PCR | Environmental | 28-Mar-22                                                            | 0/10                         | 0/10                         | Yearly            |
| Reovirus type 3 <sup>1</sup>                          | CRL            | PCR | Environmental | 28-Mar-22                                                            | 0/10                         | 0/10                         | Yearly            |
| Sendai virus <sup>1</sup>                             | CRL            | PCR | Environmental | 28-Mar-22                                                            | 0/10                         | 0/10                         | Yearly            |
| Theiler's murine encephalomyelitis virus <sup>1</sup> | CRL            | PCR | Environmental | 23-Sep-22                                                            | 0/2                          | 0/20                         | Quarterly         |

### Bacteria & fungi:

|                                                                         |     |     |               |                    |      |      |        |
|-------------------------------------------------------------------------|-----|-----|---------------|--------------------|------|------|--------|
| $\beta$ -hemolytic <i>Streptococcus</i> spp. (not group D) <sup>1</sup> | CRL | PCR | Environmental | 28-Mar-22          | 0/10 | 0/10 | Yearly |
| <i>Bordetella bronchiseptica</i>                                        | CRL | PCR | Environmental | 28-Mar-22          | 0/10 | 0/10 | Yearly |
| <i>Bordetella hinzii</i>                                                | CRL | PCR | Environmental | 28-Mar-22          | 0/10 | 0/10 | Yearly |
| Cilia-associated respiratory bacillus                                   | CRL | PCR | Environmental | 28-Mar-22          | 0/10 | 0/10 | Yearly |
| <i>Citrobacter rodentium</i> <sup>1</sup>                               | CRL | PCR | Environmental | 28-Mar-22          | 0/10 | 0/10 | Yearly |
| <i>Clostridium piliforme</i> <sup>1</sup>                               | CRL | PCR | Environmental | 28-Mar-22          | 0/10 | 0/10 | Yearly |
| <i>Corynebacterium kutscheri</i> <sup>1</sup>                           | CRL | PCR | Environmental | 28-Mar-22          | 0/10 | 0/10 | Yearly |
| <i>Helicobacter</i> spp. <sup>1</sup>                                   |     |     |               | Enzoitic in colony |      |      |        |
| <i>Klebsiella oxytoca</i>                                               | CRL | PCR | Environmental | 28-Mar-22          | 3/10 | 3/10 | Yearly |

1: The 2014 FELASA recommendations include these agents.

\*Agents formerly known as *Pasteurella pneumotropica*, Heyl and Jawetz

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### Testing Results (continued):

| Testing Results (continued):                     |                    |                |                                                | Most recent tests |                              | Historical results           |                   |
|--------------------------------------------------|--------------------|----------------|------------------------------------------------|-------------------|------------------------------|------------------------------|-------------------|
|                                                  |                    |                |                                                | Tested subject    |                              | Collected over 18 months     |                   |
|                                                  | Testing Laboratory | Testing method | (sentinel, colony animal, environmental, etc.) | Date              | No. positives/<br>No. tested | No. positives/<br>No. tested | Testing frequency |
|                                                  |                    |                |                                                |                   |                              |                              |                   |
| Bacteria & Fungi (continued)                     |                    |                |                                                |                   |                              |                              |                   |
| <i>Klebsiella pneumoniae</i>                     | CRL                | PCR            | Environmental                                  | 28-Mar-22         | 1/10                         | 1/10                         | Yearly            |
| <i>Mycoplasma pulmonis</i> <sup>1</sup>          | CRL                | PCR            | Environmental                                  | 28-Mar-22         | 0/10                         | 0/10                         | Yearly            |
| <i>Rodentibacter heylii</i> <sup>1</sup>         | CRL                | PCR            | Environmental                                  | 23-Sep-22         | 2/2                          | 9/20                         | Quarterly         |
| <i>Rodentibacter pneumotropicus</i> <sup>1</sup> | CRL                | PCR            | Environmental                                  | 23-Sep-22         | 0/2                          | 0/20                         | Quarterly         |
| <i>Pseudomonas aeruginosa</i>                    | CRL                | PCR            | Environmental                                  | 28-Mar-22         | 0/10                         | 0/10                         | Yearly            |
| <i>Pneumocystis murina</i>                       | CRL                | PCR            | Environmental                                  | 28-Mar-22         | 0/10                         | 0/10                         | Yearly            |
| <i>Salmonella</i> spp. <sup>1</sup>              | CRL                | PCR            | Environmental                                  | 28-Mar-22         | 0/10                         | 0/10                         | Yearly            |
| <i>Staphylococcus aureus</i>                     | CRL                | PCR            | Environmental                                  | 28-Mar-22         | 0/10                         | 0/10                         | Yearly            |
| <i>Streptobacillus moniliformis</i> <sup>1</sup> | CRL                | PCR            | Environmental                                  | 28-Mar-22         | 0/10                         | 0/10                         | Yearly            |
| <i>Streptococcus pneumoniae</i> <sup>1</sup>     | CRL                | PCR            | Environmental                                  | 28-Mar-22         | 0/10                         | 0/10                         | Yearly            |

### Parasites<sup>1</sup>:

#### Mites

|                             |     |     |               |           |     |      |           |
|-----------------------------|-----|-----|---------------|-----------|-----|------|-----------|
| <i>Myobia musculi</i>       | CRL | PCR | Environmental | 23-Sep-22 | 0/2 | 0/20 | Quarterly |
| <i>Myocoptes musculinus</i> | CRL | PCR | Environmental | 23-Sep-22 | 0/2 | 0/20 | Quarterly |
| <i>Radfordia affinis</i>    | CRL | PCR | Environmental | 23-Sep-22 | 0/2 | 0/20 | Quarterly |

#### Pinworms

|                               |     |     |               |           |     |      |           |
|-------------------------------|-----|-----|---------------|-----------|-----|------|-----------|
| <i>Aspicularis tetraptera</i> | CRL | PCR | Environmental | 23-Sep-22 | 0/2 | 0/20 | Quarterly |
| <i>Syphacia oblevata</i>      | CRL | PCR | Environmental | 23-Sep-22 | 0/2 | 0/20 | Quarterly |

#### Protozoan

|                             |     |     |               |            |      |       |           |
|-----------------------------|-----|-----|---------------|------------|------|-------|-----------|
| <i>Entamoeba muris</i>      | CRL | PCR | Environmental | 23-Sep-22  | 2/2  | 13/20 | Quarterly |
| <i>Giardia muris</i>        | CRL | PCR | Environmental | 28-Mar-22  | 0/10 | 0/10  | Yearly    |
| <i>Spironucleus muris</i>   | CRL | PCR | Environmental | 23-Sep-22  | 0/2  | 0/20  | Quarterly |
| <i>Tritrichomonas muris</i> |     |     |               | Not tested |      |       |           |

#### Other parasites

### Additional agents for which testing has been performed:

|                             |     |     |               |           |      |      |           |
|-----------------------------|-----|-----|---------------|-----------|------|------|-----------|
| <i>Leptospira</i> spp.      | CRL | PCR | Environmental | 23-Sep-22 | 0/10 | 0/20 | Quarterly |
| <i>Cryptosporidium</i> spp. | CRL | PCR | Environmental | 23-Sep-22 | 0/10 | 0/20 | Quarterly |

### Pathology:

### Additional comments:

Area contains *Mus* and *Peromyscus* spp. *Helicobacter* spp. enzootically present in the colony: *H. bilis*, *H. ganmani*, *H. hepaticus*, *H. typhlonius*.

1: The 2014 FELASA recommendations include these agents.

\*Agents formerly known as *Pasteurella pneumotropica*, *Heyl* and *Jawetz*