

InVivos Pte Ltd- Health Report

Production site: InVivos **Date of report:** 21 February 2023
Address: 9 Perahu Road, Singapore 718793 **Species:** Mice: 1 strain
BBR/Isolator#: BBR6 (Isolator 29,19,20) **Transferred From:** JAX
Date Location First Occupied: 26 Oct 2020 **Animal strains/Stock:** NU:Jnv
Health Standard: Restricted Flora (RF)

*Latest Test Date is the date animals are removed from the colony to begin the health testing process.

Viruses

| Target Organism | Test Frequency | Testing Laboratory | Test Method | *Latest Test Date | Species Tested M = Mice R = Rat | Latest Result #positive / #tested | 2023 Cumulative Results #positive/ #tested | 2021-2022 Cumulative Results #positive/ #tested |
|--|----------------|--------------------|-------------|-------------------|---------------------------------------|---|--|---|
| Mouse Hepatitis Virus (MHV) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/24 |
| Mouse Minute [parvo] Virus (MMV) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/24 |
| Mouse Parvovirus (MPV) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/24 |
| Mouse Rotavirus (EDIM) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/24 |
| Encephalomyelitis Virus (GD7) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/24 |
| Pneumonia Virus of Mice (PVM) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/24 |
| Murine Norovirus (MNV) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/24 |
| Sendai virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Lymphocytic Choriomeningitis Virus (LCM) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Ectromelia Virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Hantaan Virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Mouse Adenovirus (FL) (MAV 1) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Mouse Adenovirus (K87) (MAV 2) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Mouse Cytomegalovirus (MCMV) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Respiratory Enteric Virus III (REO 3) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Polyoma Virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| K Virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Thymic Virus | Semiannually | IDEXX RADIL | IFA | 29 Aug 2022 | M | 0/1 | 0/0 | 0/4 |
| Lactic Dehydrogenase Elevating Virus (LDHV) | Annually | IDEXX RADIL | MFI | 29 Aug 2022 | M | 0/1 | 0/0 | 0/2 |

Bacteria, Mycoplasma and Fungi

| Target Organism | Test Frequency | Testing Laboratory | Test Method | Latest Test Date | Species Tested M = Mice R = Rat | Latest Result #positive / #tested | 2023 Cumulative Results #positive/ #tested | 2021-2022 Cumulative Results #positive/ #tested |
|--|----------------|--------------------|-------------|------------------|---------------------------------------|---|--|---|
| Beta hemolytic Streptococcus | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Bordetella bronchiseptica | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Citrobacter rodentium | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Clostridium piliforme | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Corynebacterium kutscheri | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Corynebacterium bovis | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/2 |
| Klebsiella oxytoca | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Klebsiella pneumoniae | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Mycoplasma pulmonis | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Pasteurella pneumotropica | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Pasteurella multocida | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Pseudomonas aeruginosa | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Salmonella spp. | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Staphylococcus aureus | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Streptobacillus moniliformis | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Streptococcus pneumoniae | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Cilia Associated Respiratory Bacillus (CARB) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Corynebacterium bovis | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Helicobacter spp | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Pneumocystis spp | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |

Parasites

| Target Organism | Test Frequency | Testing Laboratory | Test Method | Latest Test Date | Species Tested M = Mice R = Rat | Latest Result #positive / #tested | 2023 Cumulative Results #positive/ #tested | 2021-2022 Cumulative Results #positive/ #tested |
|--------------------------|----------------|---------------------|-------------|------------------|---------------------------------------|---|--|---|
| Ectoparasites | Quarterly | Taconic Diagnostics | MICR/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Endoparasites | Quarterly | Taconic Diagnostics | MICR/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Enteric helminths | Quarterly | Taconic Diagnostics | MICR/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Encephalitozoon cuniculi | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |
| Dermatophytes | Annually | IDEXX RADIL | PCR | 29 Aug 2022 | M | 0/1 | 0/0 | 0/1 |

| Target Organism | Test Frequency | Testing Laboratory | Test Method | Latest Test Date | Species Tested M = Mice R = Rat | Latest Result #positive / #tested | 2023 Cumulative Results #positive/ #tested | 2021-2022 Cumulative Results #positive/ #tested |
|-------------------|----------------|---------------------|-------------|------------------|---------------------------------------|---|--|---|
| Necropsy findings | Quarterly | Taconic Diagnostics | | 28 Nov 2022 | M | 0/1 | 0/0 | 0/8 |

Ancillary Microbial Monitoring- Restricted Flora

| Target Organism | Test Frequency | Testing Laboratory | Test Method | Latest Test Date | Species Tested M = Mice R = Rat | Latest Result #positive / #tested | 2023 Cumulative Results #positive/ #tested | 2021-2022 Cumulative Results #positive/ #tested |
|------------------------------------|----------------|---------------------|-------------|------------------|---------------------------------------|---|--|---|
| Klebsiella oxytoca | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/48 |
| Klebsiella pneumonia | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/48 |
| Pseudomonas aeruginosa | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/48 |
| Staphylococcus aureus | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/48 |
| Beta haemolytic Streptococcus spp. | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/48 |
| Pasteurella multocida | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/48 |

Health testing performed against IHMS™ standards at Taconic Biosciences Inc. using samples supplied by InVivos.

Organisms tested using culture/PCR are tested via culture first, any retesting and confirmation is tested using PCR.

Do you have questions about this health report? Contact Dr. Timothy Chua at +65 97561839 or timothy_chua@invivos.com.sg