

InVivos Pte Ltd- Health Reporting

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|--------------------------------------|---------------------------------|------------------------------|-------------------------------------|
| Production site: | InVivos | Date of report: | 21 February 2023 |
| Address: | 9 Perahu Road, Singapore 718793 | Species: | Mice: 1 strain (as specified below) |
| Health report Group: | BBR 05 (01) | Transferred From: | Taconic Biosciences Inc. |
| Date Location First Occupied: | End Oct 2022 | Animal strains/Stock: | NCr Nude |
| Taconic Health Standard: | Restricted Flora (RF) | | |

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

Compilation of all results for web posting may take several weeks.

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 | 2022 Cumulative Results #positive/ #tested |
|--|----------------|--------------------|-------------|-------------------|---------------------------------------|---|--|--|
| Mouse Hepatitis Virus (MHV) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/1 |
| Mouse Minute [parvo] Virus (MMV) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/1 |
| Mouse Parvovirus (MPV) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/1 |
| Mouse Rotavirus (EDIM) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/1 |
| Encephalomyelitis Virus (GD7) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/1 |
| Pneumonia Virus of Mice (PVM) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/1 |
| Murine Norovirus (MNV) | Monthly | IDEXX RADIL | MFI | 06 Feb 2023 | M | 0/1 | 0/2 | 0/1 |
| Sendai Virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Lymphocytic Choriomeningitis Virus (LCM) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Ectromelia Virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Hantaan Virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Mouse Adenovirus (FL) (MAV 1) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Mouse Adenovirus (K87) (MAV 2) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Mouse Cytomegalovirus (MCMV) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Respiratory Enteric Virus III (REO 3) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Polyoma Virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| K Virus | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Thymic Virus | Semiannually | IDEXX RADIL | IFA | 28 Aug 2022 | M | 0/0 | 0/0 | 0/0 |
| Lactic Dehydrogenase Elevating Virus (LDHV) | Annually | IDEXX RADIL | MFI | 28 Aug 2022 | M | 0/0 | 0/0 | 0/0 |

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 | 2022 Cumulative Results #positive/ #tested |
|--|----------------|--------------------|-------------|------------------|---------------------------------------|---|--|--|
| Beta hemolytic Streptococcus | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Bordetella bronchiseptica | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Citrobacter rodentium | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Clostridium piliforme | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Corynebacterium kutscheri | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Corynebacterium bovis | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Klebsiella oxytoca | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Klebsiella pneumoniae | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Mycoplasma pulmonis | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Pasteurella pneumotropica | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Pasteurella multocida | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Pseudomonas aeruginosa | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Salmonella spp. | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Staphylococcus aureus | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Streptobacillus moniliformis | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Streptococcus pneumoniae | Quarterly | IDEXX RADIL | CULT/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Cilia Associated Respiratory Bacillus (CARB) | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Corynebacterium bovis | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Helicobacter spp. | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Pneumocystis spp. | Quarterly | IDEXX RADIL | PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |

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 | 2022 Cumulative Results #positive/ #tested |
|--------------------------|----------------|---------------------|-------------|------------------|---------------------------------------|---|--|--|
| Ectoparasites | Quarterly | Taconic Diagnostics | MICR/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Endoparasites | Quarterly | Taconic Diagnostics | MICR/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Enteric helminths | Quarterly | Taconic Diagnostics | MICR/PCR | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Encephalitozoon cuniculi | Quarterly | IDEXX RADIL | MFI | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |
| Dermatophytes | Annually | IDEXX RADIL | PCR | | M | 0/0 | 0/0 | 0/0 |

| 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 | 2022 Cumulative Results #positive/ #tested |
|-------------------|----------------|---------------------|-------------|------------------|---------------------------------------|---|--|--|
| Necropsy findings | Quarterly | Taconic Diagnostics | | 28 Nov 2022 | M | 0/1 | 0/0 | 0/1 |

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 | 2022 Cumulative Results #positive/ #tested |
|------------------------------------|----------------|---------------------|-------------|------------------|---------------------------------------|---|--|--|
| Klebsiella oxytoca | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/2 |
| Klebsiella pneumonia | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/2 |
| Pseudomonas aeruginosa | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/2 |
| Staphylococcus aureus | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/2 |
| Beta haemolytic Streptococcus spp. | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/2 |
| Pasteurella multocida | Monthly | Taconic Diagnostics | CULTURE | 06 Feb 2023 | M | 0/2 | 0/4 | 0/2 |

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.

Animals were moved from BBR3 to BBR5 in end October 2022.

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