



Animal Health Monitoring Report

Isolator reared

NOD.Cg-Prkdc^{scid} Il2rg^{tm1Wjl} /SzJArc

Date report issued: 01-Oct-20

[JAX Stock No: 005557](#)

NSG

Report covers the following isolators:

Strains present in isolator:

Strain of animal tested:

RI 24

NOD.Cg-Prkdc^{scid} Il2rg^{tm1Wjl} /SzJArc

NOD.Cg-Prkdc^{scid} Il2rg^{tm1Wjl} /SzJArc & ICR Outbred for serology

ORGANISMS MONITORED AND EXCLUDED

Viruses

Mouse Hepatitis Virus
Minute Virus of Mice
Mouse Parvovirus
Murine Rotavirus (EDIM)
Mouse Norovirus
Theiler's Encephalomyelitis Virus
Pneumonia Virus of Mice
Murine Cytomegalovirus
Sendai Virus
Mouse Adenovirus Type 1 & 2
Lymphocytic Choriomeningitis Virus
Hantaan (Korean Haemorrhagic Fever)
Ectromelia (Mousepox) Virus
Reovirus -3
Polyoma Virus
K Virus
Lactate Dehydrogenase Elevating Virus
Mouse Thymic Virus

Bacteria and Fungi

CAR bacillus
Clostridium piliforme
Mycoplasma pulmonis
Helicobacter spp.¹
Salmonella spp.
Streptococcus pneumoniae
Pasteurella pneumotropica
Bordetella bronchiseptica
Corynebacterium kutscheri
Streptobacillus moniliformis
Pneumocystis murina

Parasites and Protozoa

Arthropods (Fur mites, lice, fleas)
Nematodes (pinworms)
Cestodes
Protozoa: *Giardia muris*, *Spiroplasma muris*, *Tritrichomonas muris*, *Entamoeba muris*
Encephalitozoon cuniculi

ORGANISMS MONITORED BUT NOT EXCLUDED:

Staphylococcus aureus
Streptococcus sp. beta hemolytic Groups A, B, C or G
Klebsiella oxytoca
Klebsiella pneumoniae
Citrobacter rodentium
Pseudomonas aeruginosa
Corynebacterium bovis
Mouse Kidney Parvovirus

| | Mouse | | | Testing method | Testing frequency |
|--|----------------|---------|----------------|----------------|-------------------|
| | Last Test Date | Results | Past 18 Months | | |
| Mouse Hepatitis Virus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Minute Virus of Mice | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Mouse Parvovirus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Murine Rotavirus (EDIM) | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Mouse Norovirus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Theiler's Encephalomyelitis Virus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Pneumonia Virus of Mice | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Murine Cytomegalovirus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Sendai Virus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Mouse Adenovirus Type 1 & 2 | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Lymphocytic Choriomeningitis Virus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Hantaan (Korean Haemorrhagic Fever) | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Ectromelia (Mousepox) Virus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Reovirus -3 | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Polyoma Virus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| K Virus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Lactate Dehydrogenase Elevating Virus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Mouse Thymic Virus | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| Bacteria and Fungi | | | | | |
| <i>CAR bacillus</i> | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| <i>Clostridium piliforme</i> | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| <i>Mycoplasma pulmonis</i> | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| <i>Helicobacter</i> spp. ¹ | 26-Aug-20 | 0 / 10 | 0 / 94 | H | q |
| <i>Salmonella</i> spp. | 26-Aug-20 | 0 / 10 | 0 / 94 | CH | q |
| <i>Streptococcus pneumoniae</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | DH | q |
| <i>Pasteurella pneumotropica</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | DH | q |
| <i>Bordetella bronchiseptica</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | DH | q |
| <i>Corynebacterium kutscheri</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | DH | q |
| <i>Streptobacillus moniliformis</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | DH | q |
| <i>Pneumocystis murina</i> | 26-Feb-20 | 0 / 6 | 0 / 8 | HE | a |
| Parasites and Protozoa | | | | | |
| Arthropods (Fur mites, lice, fleas) | 26-Aug-20 | 0 / 10 | 0 / 92 | BH | q |
| Nematodes (pinworms) | 26-Aug-20 | 0 / 10 | 0 / 94 | FGH | q |
| Cestodes | 26-Aug-20 | 0 / 10 | 0 / 94 | FGH | q |
| Protozoa: <i>Giardia muris</i> , <i>Spiroplasma muris</i> , <i>Tritrichomonas muris</i> , <i>Entamoeba muris</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | FH | q |
| <i>Encephalitozoon cuniculi</i> | 27-Aug-20 | 0 / 1 | 0 / 11 | E | q |
| ORGANISMS MONITORED BUT NOT EXCLUDED: | | | | | |
| <i>Staphylococcus aureus</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | DH | q |
| <i>Streptococcus</i> sp. beta hemolytic Groups A, B, C or G | 26-Aug-20 | 0 / 10 | 0 / 94 | DH | q |
| <i>Klebsiella oxytoca</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | CH | q |
| <i>Klebsiella pneumoniae</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | CH | q |
| <i>Citrobacter rodentium</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | CH | q |
| <i>Pseudomonas aeruginosa</i> | 26-Aug-20 | 0 / 10 | 0 / 94 | CH | q |
| <i>Corynebacterium bovis</i> | 26-Feb-20 | 0 / 4 | 0 / 44 | H | a |
| Mouse Kidney Parvovirus | 26-Feb-20 | 0 / 4 | 0 / 4 | H | a |

Notes:

¹ *Helicobacter* spp. tested includes *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter typhlonius*.

Every quarter, sentinel mice from the stock NOD.Cg-Prkdc^{scid} Il2rg^{tm1Wjl} /SzJArc rack isolators are placed into an IVC with immunocompetent sentinel mice for serological testing.

Testing methods:

A, Gross Pathology/histopathology. B, Pelt examination. C, Bacterial selective culture intestine.
D, Bacterial selective culture respiratory tract/oropharynx. E, Serology ELISA/MFI/IFA. F, Microscopy intestine. G, Faecal flotation.
H, Polymerase chain reaction assay. I, Dermatophyte culture. J, General bacterial culture any site.

Minimum testing frequency: m= monthly. q= quarterly. ta= triannual. a= annually.

Results are presented as the no. positive results / no. animals tested on the date listed.

NT = Not Tested (not a recognised pathogen in this species) For details of testing program see www.arc.wa.gov.au

Area populated: 13-Mar-20

Report reviewed by: Dr. Lydia Pethick, BSc BVMS MANZCVS (Laboratory Animals), Director of Veterinary Services and Quality Control