



# Animal Health Monitoring Report

Isolator reared

NOD.Cg-Rag1<sup>tm1Mom</sup> Il2rg<sup>tm1Wjl</sup>/SzJArc

Date report issued: 16-Sep-21

[JAX Stock No: 007799](#)

NRG

Report covers the following isolators:

Strains present in isolator:

Strain of animal tested:

RI 29

NOD.Cg-Rag1<sup>tm1Mom</sup> Il2rg<sup>tm1Wjl</sup>/SzJArc

NOD.Cg-Rag1<sup>tm1Mom</sup> Il2rg<sup>tm1Wjl</sup>/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 (GD VII)  
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  
Lactic Dehydrogenase Elevating virus  
Mouse Thymic Virus

### Bacteria and Fungi

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

### Parasites and Protozoa

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

### ORGANISMS MONITORED BUT NOT EXCLUDED:

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

	Mouse			Testing methods	Testing Frequency
	Last Test Date	Results	Past 18 Months		
Mouse Hepatitis Virus	25-Aug-21	0 / 1	0 / 6	E	q
Minute Virus of Mice	25-Aug-21	0 / 1	0 / 6	E	q
Mouse Parvovirus	25-Aug-21	0 / 1	0 / 6	E	q
Murine Rotavirus (EDIM)	25-Aug-21	0 / 1	0 / 6	E	q
Mouse Norovirus	25-Aug-21	0 / 1	0 / 6	E	q
Theiler's Encephalomyelitis Virus (GD VII)	25-Aug-21	0 / 1	0 / 6	E	q
Pneumonia Virus of Mice	25-Aug-21	0 / 1	0 / 6	E	q
Murine Cytomegalovirus	25-Aug-21	0 / 1	0 / 6	E	q
Sendai Virus	25-Aug-21	0 / 1	0 / 6	E	q
Mouse Adenovirus Type 1 & 2	25-Aug-21	0 / 1	0 / 6	E	q
Lymphocytic Choriomeningitis Virus	25-Aug-21	0 / 1	0 / 6	E	q
Hantaan (Korean Haemorrhagic Fever)	25-Aug-21	0 / 1	0 / 6	E	q
Ectromelia (Mousepox) Virus	25-Aug-21	0 / 1	0 / 6	E	q
Reovirus -3	25-Aug-21	0 / 1	0 / 6	E	q
Polyoma virus	25-Aug-21	0 / 1	0 / 6	E	q
K Virus	25-Aug-21	0 / 1	0 / 6	E	q
Lactic Dehydrogenase Elevating virus	25-Aug-21	0 / 1	0 / 6	E	q
Mouse Thymic Virus	25-Aug-21	0 / 1	0 / 6	E	q
<i>CAR bacillus</i>	25-Aug-21	0 / 1	0 / 6	E	q
<i>Clostridium piliforme</i>	25-Aug-21	0 / 1	0 / 6	E	q
<i>Mycoplasma pulmonis</i>	25-Aug-21	0 / 1	0 / 6	E	q
<i>Helicobacter</i> spp. <sup>1</sup>	23-Aug-21	0 / 10	0 / 52	H	q
<i>Salmonella</i> spp.	23-Aug-21	0 / 10	0 / 52	CH	q
<i>Pasteurella pneumotropica</i>	23-Aug-21	0 / 10	0 / 52	DH	q
<i>Streptococcus pneumoniae</i>	23-Aug-21	0 / 10	0 / 52	DH	q
<i>Bordetella bronchiseptica</i>	23-Aug-21	0 / 10	0 / 52	DH	q
<i>Corynebacterium kutscheri</i>	23-Aug-21	0 / 10	0 / 52	DH	q
<i>Streptobacillus moniliformis</i>	23-Aug-21	0 / 10	0 / 52	DH	q
Pneumocystis murina	24-Feb-21	0 / 3	0 / 3	HE	a
<i>Encephalitozoon cuniculi</i>	25-Aug-21	0 / 1	0 / 6	EH	q
Arthropods (Fur mites, lice, fleas)	23-Aug-21	0 / 10	0 / 51	BH	q
Nematodes (pinworms)	23-Aug-21	0 / 10	0 / 52	FGH	q
Cestodes	23-Aug-21	0 / 10	0 / 52	FGH	q
Protozoa: <i>Giardia muris</i> , <i>Spiroplasma muris</i> , <i>Tritrichomonas muris</i> , <i>Entamoeba muris</i>	23-Aug-21	0 / 10	0 / 52	FH	q
<i>Staphylococcus aureus</i>	23-Aug-21	0 / 10	0 / 52	DH	q
<i>Klebsiella oxytoca</i>	23-Aug-21	0 / 10	0 / 52	DH	q
<i>Klebsiella pneumoniae</i>	23-Aug-21	0 / 10	0 / 52	DH	q
<i>Pseudomonas aeruginosa</i>	23-Aug-21	0 / 10	0 / 52	DH	q
<i>Streptococcus</i> sp. beta hemolytic Groups A, B, C or G	23-Aug-21	0 / 10	0 / 52	DH	q
<i>Citrobacter rodentium</i>	23-Aug-21	0 / 10	0 / 52	CH	q
<i>Corynebacterium bovis</i>	24-Feb-21	0 / 2	0 / 2	H	a
Mouse Kidney Parvovirus	26-May-21	0 / 10	0 / 12	H	a

### Notes:

<sup>1</sup> *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-Rag1<sup>tm1Mom</sup> Il2rg<sup>tm1Wjl</sup>/SzJArc rack isolators are placed into an IVC with immunocompetent sentinel mice for serological testing.

### Code for tests performed

**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 Frequency testing:** 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](http://www.arc.wa.gov.au)

Area populated: 28 July 2017

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