



# Animal Health Monitoring Report

Barrier Area: 3a

Date report issued: 21-Oct-21

Strain: B6.Cg-Tg(K18-ACE2)2PrImn/JArc

[JAX Stock No: 034860](#)

K18-hACE2

## ORGANISMS MONITORED AND EXCLUDED

### Viruses

Mouse Hepatitis Virus  
Minute Virus of Mice  
Mouse Parvovirus  
Murine Rotavirus (EDIM)  
SARS-CoV-2  
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.\*  
*Streptococcus pneumoniae*  
*Pasteurella pneumotropica*  
*Salmonella* spp.  
*Bordetella bronchiseptica*  
*Corynebacterium kutscheri*  
*Streptobacillus moniliformis*  
*Pneumocystis murina*

### Parasites and Protozoa

Arthropods (Fur mites, lice, fleas)  
Nematodes (pinworms)  
Cestodes  
Protozoa: *Giardia muris*, *Spironucleus 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*  
Mouse Kidney Parvovirus

	Mouse				
	Last Test Date	Results	Past 18 Months	Testing method	Testing frequency
Mouse Hepatitis Virus	15-Sep-21	0 / 2	0 / 68	EH	m
Minute Virus of Mice	15-Sep-21	0 / 2	0 / 68	EH	m
Mouse Parvovirus	15-Sep-21	0 / 2	0 / 68	EH	m
Murine Rotavirus (EDIM)	15-Sep-21	0 / 2	0 / 68	EH	m
SARS-CoV-2	15-Sep-21	0 / 10	0 / 120	H	m
Mouse Norovirus	15-Jul-21	0 / 2	0 / 16	E	q
Theiler's Encephalomyelitis Virus	15-Jul-21	0 / 2	0 / 16	E	q
Pneumonia Virus of Mice	15-Jul-21	0 / 2	0 / 10	E	q
Murine Cytomegalovirus	15-Jul-21	0 / 2	0 / 10	E	q
Sendai Virus	15-Jul-21	0 / 2	0 / 10	E	q
Mouse Adenovirus Type 1 & 2	15-Jul-21	0 / 2	0 / 10	E	q
Lymphocytic Choriomeningitis Virus	15-Jul-21	0 / 2	0 / 10	E	q
Hantaan (Korean Haemorrhagic Fever)	11-Jan-21	0 / 2	0 / 4	E	a
Ectromelia (Mousepox) Virus	11-Jan-21	0 / 2	0 / 4	E	a
Reovirus -3	11-Jan-21	0 / 2	0 / 4	E	a
Polyoma Virus	11-Jan-21	0 / 2	0 / 4	E	a
K Virus	11-Jan-21	0 / 2	0 / 4	E	a
Lactate Dehydrogenase Elevating Virus	11-Jan-21	0 / 2	0 / 4	E	a
Mouse Thymic Virus	11-Jan-21	0 / 2	0 / 4	E	a
<i>CAR bacillus</i>	15-Jul-21	0 / 2	0 / 10	E	q
<i>Clostridium piliforme</i>	15-Jul-21	0 / 2	0 / 10	E	q
<i>Mycoplasma pulmonis</i>	15-Jul-21	0 / 2	0 / 10	E	q
<i>Helicobacter</i> spp.*	15-Jul-21	0 / 10	0 / 48	H	q
<i>Streptococcus pneumoniae</i>	15-Jul-21	0 / 10	0 / 42	DH	q
<i>Pasteurella pneumotropica</i>	15-Jul-21	0 / 10	0 / 42	DH	q
<i>Salmonella</i> spp.	11-Jan-21	0 / 2	0 / 12	CH	a
<i>Bordetella bronchiseptica</i>	11-Jan-21	0 / 2	0 / 12	DH	a
<i>Corynebacterium kutscheri</i>	11-Jan-21	0 / 2	0 / 12	DH	a
<i>Streptobacillus moniliformis</i>	11-Jan-21	0 / 2	0 / 12	DH	a
<i>Pneumocystis murina</i>	11-Jan-21	0 / 2	0 / 4	E	a
Arthropods (Fur mites, lice, fleas)	15-Jul-21	0 / 10	0 / 41	BH	q
Nematodes (pinworms)	15-Jul-21	0 / 10	0 / 48	FGH	q
Cestodes	15-Jul-21	0 / 10	0 / 42	FGH	q
Protozoa: <i>Giardia muris</i> , <i>Spironucleus muris</i> , <i>Tritrichomonas muris</i> , <i>Entamoeba muris</i>	15-Jul-21	0 / 10	0 / 42	FH	q
<i>Encephalitozoon cuniculi</i>	11-Jan-21	0 / 2	0 / 4	E	a
<i>Staphylococcus aureus</i>	15-Jul-21	0 / 10	0 / 42	DH	q
<i>Streptococcus</i> sp. beta hemolytic Groups A, B, C or G	15-Jul-21	0 / 10	0 / 42	DH	q
<i>Klebsiella oxytoca</i>	11-Jan-21	0 / 2	0 / 12	CH	a
<i>Klebsiella pneumoniae</i>	11-Jan-21	0 / 2	0 / 12	CH	a
<i>Citrobacter rodentium</i>	11-Jan-21	0 / 2	0 / 12	CH	a
<i>Pseudomonas aeruginosa</i>	11-Jan-21	0 / 2	0 / 12	CH	a
Mouse Kidney Parvovirus	15-Apr-21	0 / 10	0 / 22	H	a

### Notes:

\* *Helicobacter* species tested includes *H.hepaticus*, *H.bilis*, *H.rodentium*, *H.ganmani*, *H.mastomyrinus* and *H.typhlonius*.

### 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](http://www.arc.wa.gov.au)

Area populated: Transferred into Area 3a on 27/08/2021

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