



Animal Health Monitoring Report

Barrier Area: 3a

Date report issued: 02-Feb-22

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	07-Dec-21	0 / 2	0 / 77	EH	m
Minute Virus of Mice	07-Dec-21	0 / 2	0 / 77	EH	m
Mouse Parvovirus	07-Dec-21	0 / 2	0 / 77	EH	m
Murine Rotavirus (EDIM)	07-Dec-21	0 / 2	0 / 77	EH	m
SARS-CoV-2	12-Jan-22	0 / 30	0 / 174	H	m
Mouse Norovirus	14-Oct-21	0 / 2	0 / 12	E	q
Theiler's Encephalomyelitis Virus	14-Oct-21	0 / 2	0 / 12	E	q
Pneumonia Virus of Mice	14-Oct-21	0 / 2	0 / 12	E	q
Murine Cytomegalovirus	14-Oct-21	0 / 2	0 / 12	E	q
Sendai Virus	14-Oct-21	0 / 2	0 / 12	E	q
Mouse Adenovirus Type 1 & 2	14-Oct-21	0 / 2	0 / 12	E	q
Lymphocytic Choriomeningitis Virus	14-Oct-21	0 / 2	0 / 12	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>	14-Oct-21	0 / 2	0 / 12	E	q
<i>Clostridium piliforme</i>	14-Oct-21	0 / 2	0 / 12	E	q
<i>Mycoplasma pulmonis</i>	14-Oct-21	0 / 2	0 / 12	E	q
<i>Helicobacter</i> spp.*	14-Oct-21	0 / 10	0 / 52	H	q
<i>Streptococcus pneumoniae</i>	14-Oct-21	0 / 10	0 / 52	DH	q
<i>Pasteurella pneumotropica</i>	14-Oct-21	0 / 10	0 / 52	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)	14-Oct-21	0 / 10	0 / 51	BH	q
Nematodes (pinworms)	14-Oct-21	0 / 10	0 / 52	FGH	q
Cestodes	14-Oct-21	0 / 10	0 / 52	FGH	q
Protozoa: <i>Giardia muris</i> , <i>Spironucleus muris</i> , <i>Tritrichomonas muris</i> , <i>Entamoeba muris</i>	14-Oct-21	0 / 10	0 / 52	FH	q
<i>Encephalitozoon cuniculi</i>	11-Jan-21	0 / 2	0 / 4	E	a
<i>Staphylococcus aureus</i>	14-Oct-21	0 / 10	0 / 52	DH	q
<i>Streptococcus</i> sp. beta hemolytic Groups A, B, C or G	14-Oct-21	0 / 10	0 / 52	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	HE	q

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

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

Report reviewed by: Dr. Barry Savage BSc BVMS (Hons.) Veterinary Services Manager

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

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www.idexxbioanalytics.com

IDEXX BioAnalytics Case # 101425-2022

Received Date: 1/21/2022

Client Case # Case 7

Completed: 1/25/2022

Submitted By

Ibrahim Faseeh

Phone: 08 9332 5033

Animal Resources Centre

Fax: 08 9310 2839

PO Box 1180

Email: QClab@arc.wa.gov.au

Canning Vale, AU-WA 6970

Australia

Specimen Description

Species: mouse

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

Description: Feces

Number of Specimens/Animals: 1

Area: 3a

Client ID	Room #	Species	Strain /Breed				
K18-hACE2-FP	58	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	12/1/2022	FP	10	1

Services/Tests Performed: SARS-CoV-2 (1)

PCR evaluation for: SARS-CoV-2

General Comments: Tracking: 775750791564

Summary: All test results were negative.

PCR EVALUATION

feces	K18-hACE2-FP
SARS-CoV-2	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress



Animal Health Monitoring Report

Isolator reared

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

Date report issued: 16-Mar-22

JAX Stock No: 034860

K18-hACE2

Report covers the following isolators:

Strains present in isolator:

Strain of animal tested:

RI26

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

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

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
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Mouse Thymic Virus

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Mycoplasma pulmonis
Helicobacter spp.*
Streptococcus pneumoniae
Pasteurella pneumotropica
Salmonella spp.
Bordetella bronchiseptica
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Streptobacillus moniliformis
Pneumocystis murina

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Cestodes
Protozoa: *Giardia muris*, *Spirotrunculus 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	23-Feb-22	0 / 2	0 / 79	EH	m
Minute Virus of Mice	23-Feb-22	0 / 2	0 / 79	EH	m
Mouse Parvovirus	23-Feb-22	0 / 2	0 / 79	EH	m
Murine Rotavirus (EDIM)	23-Feb-22	0 / 2	0 / 79	EH	m
SARS-CoV-2	23-Feb-22	0 / 2	0 / 186	H	m
Mouse Norovirus	23-Feb-22	0 / 2	0 / 14	E	q
Theiler's Encephalomyelitis Virus	23-Feb-22	0 / 2	0 / 14	E	q
Pneumonia Virus of Mice	23-Feb-22	0 / 2	0 / 14	E	q
Murine Cytomegalovirus	23-Feb-22	0 / 2	0 / 14	E	q
Sendai Virus	23-Feb-22	0 / 2	0 / 14	E	q
Mouse Adenovirus Type 1 & 2	23-Feb-22	0 / 2	0 / 14	E	q
Lymphocytic Choriomeningitis Virus	23-Feb-22	0 / 2	0 / 14	E	q
Hantaan (Korean Haemorrhagic Fever)	23-Feb-22	0 / 2	0 / 6	E	a
Ectromelia (Mousepox) Virus	23-Feb-22	0 / 2	0 / 6	E	a
Reovirus -3	23-Feb-22	0 / 2	0 / 6	E	a
Polyoma Virus	23-Feb-22	0 / 2	0 / 6	E	a
K Virus	23-Feb-22	0 / 2	0 / 6	E	a
Lactate Dehydrogenase Elevating Virus	23-Feb-22	0 / 2	0 / 6	E	a
Mouse Thymic Virus	23-Feb-22	0 / 2	0 / 6	E	a
<i>CAR bacillus</i>	23-Feb-22	0 / 2	0 / 14	E	q
<i>Clostridium piliforme</i>	23-Feb-22	0 / 2	0 / 14	E	q
<i>Mycoplasma pulmonis</i>	23-Feb-22	0 / 2	0 / 14	E	q
<i>Helicobacter</i> spp.*	23-Feb-22	0 / 2	0 / 54	H	q
<i>Streptococcus pneumoniae</i>	23-Feb-22	0 / 2	0 / 54	DH	q
<i>Pasteurella pneumotropica</i>	23-Feb-22	0 / 2	0 / 54	DH	q
<i>Salmonella</i> spp.	23-Feb-22	0 / 2	0 / 14	CH	a
<i>Bordetella bronchiseptica</i>	23-Feb-22	0 / 2	0 / 14	DH	a
<i>Corynebacterium kutscheri</i>	23-Feb-22	0 / 2	0 / 14	DH	a
<i>Streptobacillus moniliformis</i>	23-Feb-22	0 / 2	0 / 14	DH	a
<i>Pneumocystis murina</i>	11-Jan-21	0 / 2	0 / 4	E	a
Arthropods (Fur mites, lice, fleas)	23-Feb-22	0 / 1	0 / 52	BH	q
Nematodes (pinworms)	23-Feb-22	0 / 2	0 / 54	FGH	q
Cestodes	23-Feb-22	0 / 2	0 / 54	FGH	q
Protozoa: <i>Giardia muris</i> , <i>Spirotrunculus muris</i> , <i>Tritrichomonas muris</i> , <i>Entamoeba muris</i>	23-Feb-22	0 / 2	0 / 54	FH	q
<i>Encephalitozoon cuniculi</i>	23-Feb-22	0 / 2	0 / 6	E	a
<i>Staphylococcus aureus</i>	23-Feb-22	0 / 2	0 / 54	DH	q
<i>Streptococcus</i> sp. beta hemolytic Groups A, B, C or G	23-Feb-22	0 / 2	0 / 54	DH	q
<i>Klebsiella oxytoca</i>	23-Feb-22	0 / 2	0 / 14	CH	a
<i>Klebsiella pneumoniae</i>	23-Feb-22	0 / 2	0 / 14	CH	a
<i>Citrobacter rodentium</i>	23-Feb-22	0 / 2	0 / 14	CH	a
<i>Pseudomonas aeruginosa</i>	23-Feb-22	0 / 2	0 / 14	CH	a
Mouse Kidney Parvovirus	23-Feb-22	0 / 2	0 / 24	HE	q

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

Area populated: Transferred into RI26 (5/1/22)

Report reviewed by: Dr. Barry Savage BSc BVMS (Hons.) Veterinary Services Manager

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

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IDEXX BioAnalytics Case # 105940-2022

Client Case # Case 2

Submitted By

Ibrahim Faseeh
 Animal Resources Centre
 PO Box 1180
 Canning Vale, AU-WA 6970
 Australia

Phone: 08 9332 5033
 Fax: 08 9310 2839
 Email: QClab@arc.wa.gov.au

Received Date: 3/7/2022

Completed: 3/11/2022

Specimen Description

Species: mouse
 Breed/Strain: B6.Cg-Tg(K18-ACE2)2PrImn/JArc;
 BALB/c-Foxn1nu/Arc
 Description: Dry Oral Swab; Feces; Opti-Spot; Pelt
 Swab; Opti-Spot strip(s)
 Number of Specimens/Animals: 9
 Area: 5b

Client ID	Room #	Species	Strain /Breed				
RI19-1	RI19	mouse	BALB/c-Foxn1nu/Arc	23/02/2022	OS	1	1
RI19-2	RI19	mouse	BALB/c-Foxn1nu/Arc	23/02/2022	OS	1	1
RI11-1	RI11	mouse	BALB/c-Foxn1nu/Arc	23/02/2022	OS	1	1
RI11-2	RI11	mouse	BALB/c-Foxn1nu/Arc	23/02/2022	OS	1	1
RI26-1	RI26	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	23/02/2022	OS	1	1
RI26-2	RI26	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	23/02/2022	OS	1	1
RI19-FP,DOS,FS	RI19	mouse	BALB/c-Foxn1nu/Arc	23/02/2022	FP,DOS,FS	4	3
RI11-FP,DOS,FS	RI11	mouse	BALB/c-Foxn1nu/Arc	23/02/2022	FP,DOS,FS	4	3
RI26-FP,DOS,FS	RI26	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	23/02/2022	FP,DOS,FS	2	3

Services/Tests Performed: *Corynebacterium bovis* (7-9); Segmented filamentous bacterium (7-9); *Ornithonyssus* spp. (7-9); *Pneumocystis murina* (1-6); ARC M-Annual Panel (1-6); ARC Annual PCR Panel (7-9); *Demodex musculi* (7-9); *Proteus mirabilis* (7-9); *Staphylococcus xylosum* (7-9); MKPV (7-9); SARS-CoV-2 (9); MuAstV (1-6)

Serologic evaluation for antibodies to: *Clostridium piliforme*, *Mycoplasma pulmonis*, *Pneumocystis murina*, CAR bacillus, Ectromelia, EDIM, Hantaan, K virus, LCMV, LDEV, MAV1, MAV2, MCMV, MHV, MKPV, MNV, MPV, MTV, MuAstV, MVM, Polyoma, PVM, REO3, Sendai, TMEV, *Encephalitozoon cuniculi*

PCR evaluation for: *Aspiculuris tetraptera*, *Bordetella bronchiseptica*, *Citrobacter rodentium*, *Corynebacterium bovis*, *Corynebacterium kutscheri*, *Cryptosporidium* spp., *Demodex musculi*, *Entamoeba muris*, *Giardia muris*, *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter* spp., *Helicobacter typhlonius*, *Hymenolepis diminuta*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, Mouse kidney parvovirus (MKPV), *Myocoptes*, *Ornithonyssus* spp., *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype Jawetz, *Proteus mirabilis*, *Pseudomonas aeruginosa*, *Radfordia/Myobia*, *Rodentolepis nana*, *Salmonella* spp., SARS-CoV-2, Segmented filamentous bacterium, *Spironucleus muris*, *Staphylococcus aureus*, *Staphylococcus xylosum*, *Streptobacillus moniliformis*, *Streptococcus pneumoniae*, *Streptococcus* sp. beta hemolytic Group A, *Streptococcus* sp. beta hemolytic Group B, *Streptococcus* sp. beta hemolytic Group C, *Streptococcus* sp. beta hemolytic Group G, *Syphacia muris*, *Syphacia obvelata*, *Tritrichomonas muris*

General Comments: Tracking: 776139729369

Summary: Antibodies to MuAstV were detected by MFI in multiple samples.

Positive results were found for the following PCR agents:

Segmented filamentous bacterium

Please see the report for details.

SEROLOGY SUMMARY

	RI19-1	RI19-2	RI11-1
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-
MAV2	-	-	-
MuAstV	+	+	+
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
<i>Pneumocystis murina</i>	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

	RI11-2	RI26-1	RI26-2
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-

	RI11-2	RI26-1	RI26-2
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-
MAV2	-	-	-
MuAstV	+	+	+
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
<i>Pneumocystis murina</i>	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

Legend: + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG

PCR EVALUATION

feces	RI19-FP,DOS,FS	RI11-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-
<i>Klebsiella pneumoniae</i>	-	-
<i>Citrobacter rodentium</i>	-	-
<i>Cryptosporidium</i> spp.	-	-
<i>Helicobacter</i> spp.	-	-
<i>Helicobacter bilis</i>	-	-
<i>Helicobacter ganmani</i>	-	-
<i>Helicobacter hepaticus</i>	-	-
<i>Helicobacter mastomyrinus</i>	-	-
<i>Helicobacter rodentium</i>	-	-
<i>Helicobacter typhlonius</i>	-	-
Mouse kidney parvovirus (MKPV)	-	-
<i>Proteus mirabilis</i>	-	-
<i>Pseudomonas aeruginosa</i>	-	-
<i>Salmonella</i> spp.	-	-
Segmented filamentous bacterium	+	+
<i>Entamoeba muris</i>	-	-

feces	RI19-FP,DOS,FS	RI11-FP,DOS,FS
<i>Giardia muris</i>	-	-
<i>Spirotrichomonas muris</i>	-	-
<i>Tritrichomonas muris</i>	-	-
<i>Rodentolepis nana</i>	-	-
<i>Hymenolepis diminuta</i>	-	-
<i>Aspiculuris tetraptera</i>	-	-
<i>Syphacia muris</i>	-	-
<i>Syphacia obvelata</i>	-	-

oral swab	RI19-FP,DOS,FS	RI11-FP,DOS,FS	RI26-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-
<i>Staphylococcus aureus</i>	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

pelt swab	RI19-FP,DOS,FS	RI11-FP,DOS,FS	RI26-FP,DOS,FS
<i>Corynebacterium bovis</i>	-	-	-
<i>Staphylococcus xylosum</i>	-	-	-
<i>Mycocoptes</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-
<i>Demodex musculi</i>	-	-	-
<i>Ornithonyssus</i> spp.	-	-	-

fecal pellet(s)	RI26-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-
<i>Klebsiella pneumoniae</i>	-
<i>Citrobacter rodentium</i>	-
<i>Cryptosporidium</i> spp.	-
<i>Helicobacter</i> spp.	-
<i>Helicobacter bilis</i>	-
<i>Helicobacter ganmani</i>	-
<i>Helicobacter hepaticus</i>	-
<i>Helicobacter mastomyrinus</i>	-
<i>Helicobacter rodentium</i>	-

fecal pellet(s)	RI26-FP,DOS,FS
<i>Helicobacter typhlonius</i>	-
Mouse kidney parvovirus (MKPV)	-
<i>Proteus mirabilis</i>	-
<i>Pseudomonas aeruginosa</i>	-
<i>Salmonella</i> spp.	-
SARS-CoV-2	-
Segmented filamentous bacterium	+
<i>Entamoeba muris</i>	-
<i>Giardia muris</i>	-
<i>Spironucleus muris</i>	-
<i>Tritrichomonas muris</i>	-
<i>Rodentolepis nana</i>	-
<i>Hymenolepis diminuta</i>	-
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress



Animal Health Monitoring Report

Isolator reared

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

Date report issued: 29-Jun-22

JAX Stock No: 034860

K18-hACE2

Report covers the following isolators:

Strains present in isolator:

Strain of animal tested:

RI12, RI14, RI26

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

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

ORGANISMS MONITORED AND EXCLUDED

Viruses

SARS-CoV-2
 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
 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

Last Test Date	Results	Mouse		Testing method	Testing frequency
		Past 18 Months			
23-May-22	0 / 40	0 / 194		H	q
23-May-22	0 / 8	0 / 70		E	q
23-May-22	0 / 8	0 / 70		E	q
23-May-22	0 / 8	0 / 70		E	q
23-May-22	0 / 8	0 / 70		E	q
23-May-22	0 / 8	0 / 18		E	q
23-May-22	0 / 8	0 / 18		E	q
23-May-22	0 / 8	0 / 18		E	q
23-May-22	0 / 8	0 / 18		E	q
23-May-22	0 / 8	0 / 18		E	q
23-May-22	0 / 8	0 / 12		E	a
23-May-22	0 / 8	0 / 12		E	a
23-May-22	0 / 8	0 / 12		E	a
23-May-22	0 / 8	0 / 12		E	a
23-May-22	0 / 8	0 / 12		E	a
23-May-22	0 / 8	0 / 12		E	a
23-May-22	0 / 8	0 / 18		E	q
23-May-22	0 / 8	0 / 18		E	q
23-May-22	0 / 8	0 / 18		E	q
23-May-22	0 / 40	0 / 74		H	q
23-May-22	0 / 40	0 / 74		DH	q
23-May-22	0 / 40	0 / 74		DH	q
23-May-22	0 / 40	0 / 44		CH	a
23-May-22	0 / 40	0 / 44		DH	a
23-May-22	0 / 40	0 / 44		DH	a
23-May-22	0 / 40	0 / 44		DH	a
11-Jan-21	0 / 2	0 / 2		E	a
23-May-22	0 / 40	0 / 72		BH	q
23-May-22	0 / 40	0 / 74		FGH	q
23-May-22	0 / 40	0 / 74		FGH	q
23-May-22	0 / 40	0 / 74		FH	q
23-May-22	0 / 8	0 / 12		E	a
23-May-22	0 / 40	0 / 74		DH	q
23-May-22	0 / 40	0 / 74		DH	q
23-May-22	0 / 40	0 / 44		CH	a
23-May-22	0 / 40	0 / 44		CH	a
23-May-22	0 / 40	0 / 44		CH	a
23-May-22	0 / 40	0 / 44		CH	a
23-May-22	0 / 18	0 / 32		HE	q

Notes:

¹ *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

Area populated: Transferred into RI26 (5/1/22)

Report reviewed by: Dr. Barry Savage BSc BVMS (Hons.) Veterinary Services Manager

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

idxxbioanalytics@idexx.com

www.idexxbioanalytics.com

IDEXX BioAnalytics Case # 115300-2022

Client Case # Case 3

Submitted By

Ibrahim Faseeh
 Animal Resources Centre
 PO Box 1180
 Canning Vale, AU-WA 6970
 Australia

Phone: 08 9332 5033
 Fax: 08 9310 2839
 Email: QClab@arc.wa.gov.au

Received Date: 6/3/2022

Completed: 6/13/2022

Specimen Description

Species: mouse
 Breed/Strain: B6.SVJ129-Rag1tm1bal/Arc;
 B6homoF1; BALB/c-Foxn1nu
 Description: Dry Oral Swab; Feces; Opti-Spot; Pelt
 Swab; Opti-Spot strip(s)
 Number of Specimens/Animals: 18
 Area: 5b

Client ID	Room #	Species	Strain /Breed				
RI19-1	RI19	mouse	BALB/c-Foxn1nu/Arc	23/05/2022	OS	1	1
RI19-2	RI19	mouse	BALB/c-Foxn1nu/Arc	23/05/2022	OS	1	1
RI11-1	RI11	mouse	BALB/c-Foxn1nu/Arc	23/05/2022	OS	1	1
RI11-2	RI11	mouse	BALB/c-Foxn1nu/Arc	23/05/2022	OS	1	1
RI26-1	RI26	mouse	B6homoF1	23/05/2022	OS	1	1
RI26-2	RI26	mouse	B6homoF1	23/05/2022	OS	1	1
RI14-1	RI14	mouse	B6homoF1	23/05/2022	OS	1	1
RI14-2	RI14	mouse	B6homoF1	23/05/2022	OS	1	1
RI07-FP,DOS,FS	RI07	mouse	B6.SVJ129-Rag1tm1bal/Arc	23/05/2022	FP,DOS,FS	10	3
RI10-FP,DOS,FS	RI10	mouse	NOD.CB17-Prkdcscid/Arc	23/05/2022	FP,DOS,FS	10	3
RI27-FP,DOS,FS	RI27	mouse	C.B-17/IcrHanHsd-Prkdcscid/Arc	23/05/2022	FP,DOS,FS	10	3

Client ID	Room #	Species	Strain /Breed				
RI19-FP,DOS,FS	RI19	mouse	BALB/c- Foxn1nu/Arc	23/05/2022	FP,DOS,FS	10	3
RI11-FP,DOS,FS	RI11	mouse	BALB/c- Foxn1nu/Arc	23/05/2022	FP,DOS,FS	10	3
RI29-FP,DOS,FS	RI29	mouse	NOD.Cg- Rag1tm1Momll2r gtm1Wjl/SzJ/Arc	23/05/2022	FP,DOS,FS	10	3
RI04-FP,DOS,FS	RI04	mouse	NOD.Cg- Prkdc scid ll2rg t m1Wjl /SzJ/Arc	23/05/2022	FP,DOS,FS	10	3
RI24-FP,DOS,FS	RI24	mouse	NOD.Cg- Prkdc scid ll2rg t m1Wjl /SzJ/Arc	23/05/2022	FP,DOS,FS	10	3
RI26-FP,DOS,FS	RI26	mouse	B6homoF1	23/05/2022	FP,DOS,FS	10	3
RI14-FP,DOS,FS	RI14	mouse	B6homoF1	23/05/2022	FP,DOS,FS	10	3

Services/Tests Performed: ARC M-Annual Panel (1-8); ARC Annual PCR Panel (9-18); SARS-CoV-2 (17-18)

Serologic evaluation for antibodies to: *Clostridium piliforme*, *Mycoplasma pulmonis*, CAR bacillus, Ectromelia, EDIM, Hantaan, K virus, LCMV, LDEV, MAV1, MAV2, MCMV, MHV, MKPV, MNV, MPV, MTV, MVM, Polyoma, PVM, REO3, Sendai, TMEV, *Encephalitozoon cuniculi*

PCR evaluation for: *Aspicularis tetraptera*, *Bordetella bronchiseptica*, *Citrobacter rodentium*, *Corynebacterium kutscheri*, *Cryptosporidium* spp., *Entamoeba muris*, *Giardia muris*, *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter* spp., *Helicobacter typhlonius*, *Hymenolepis diminuta*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Mycocoptes*, *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype Jawetz, *Pseudomonas aeruginosa*, *Radfordia/Myobia*, *Rodentolepis nana*, *Salmonella* spp., SARS-CoV-2, *Spironucleus muris*, *Staphylococcus aureus*, *Streptobacillus moniliformis*, *Streptococcus pneumoniae*, *Streptococcus* sp. beta hemolytic Group A, *Streptococcus* sp. beta hemolytic Group B, *Streptococcus* sp. beta hemolytic Group C, *Streptococcus* sp. beta hemolytic Group G, *Syphacia muris*, *Syphacia obvelata*, *Tririchomonas muris*

General Comments: Tracking: 776975653625

Summary: All test results were negative.

SEROLOGY SUMMARY

	RI19-1	RI19-2	RI11-1
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-
MAV2	-	-	-
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

	RI11-2	RI26-1	RI26-2
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-

	RI11-2	RI26-1	RI26-2
MAV2	-	-	-
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

	RI14-1	RI14-2
MTV	-	-
CAR bacillus	-	-
<i>Encephalitozoon cuniculi</i>	-	-
Ectromelia	-	-
EDIM	-	-
Hantaan	-	-
K virus	-	-
LCMV	-	-
LDEV	-	-
<i>Mycoplasma pulmonis</i>	-	-
MAV1	-	-
MAV2	-	-
MCMV	-	-
MHV	-	-
MKPV	-	-
MNV	-	-
MPV	-	-
MVM	-	-
Polyoma	-	-
PVM	-	-
REO3	-	-
TMEV	-	-
Sendai	-	-
<i>Clostridium piliforme</i>	-	-
Mouse IgG	N	N

Legend: + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG

PCR EVALUATION

feces	RI07-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-
<i>Citrobacter rodentium</i>	-	-	-
<i>Cryptosporidium</i> spp.	-	-	-
<i>Helicobacter</i> spp.	-	-	-
<i>Helicobacter bilis</i>	-	-	-
<i>Helicobacter ganmani</i>	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-
<i>Helicobacter rodentium</i>	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-
<i>Pseudomonas aeruginosa</i>	-	-	-
<i>Salmonella</i> spp.	-	-	-
<i>Entamoeba muris</i>	-	-	-
<i>Giardia muris</i>	-	-	-
<i>Spironucleus muris</i>	-	-	-
<i>Tritrichomonas muris</i>	-	-	-
<i>Rodentolepis nana</i>	-	-	-
<i>Hymenolepis diminuta</i>	-	-	-
<i>Aspiculuris tetraptera</i>	-	-	-
<i>Syphacia muris</i>	-	-	-
<i>Syphacia obvelata</i>	-	-	-

feces	RI19-FP,DOS,FS	RI11-FP,DOS,FS	RI29-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-
<i>Citrobacter rodentium</i>	-	-	-
<i>Cryptosporidium</i> spp.	-	-	-
<i>Helicobacter</i> spp.	-	-	-
<i>Helicobacter bilis</i>	-	-	-
<i>Helicobacter ganmani</i>	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-
<i>Helicobacter rodentium</i>	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-
<i>Pseudomonas aeruginosa</i>	-	-	-

feces	RI19-FP,DOS,FS	RI11-FP,DOS,FS	RI29-FP,DOS,FS
<i>Salmonella</i> spp.	-	-	-
<i>Entamoeba muris</i>	-	-	-
<i>Giardia muris</i>	-	-	-
<i>Spironucleus muris</i>	-	-	-
<i>Tritrichomonas muris</i>	-	-	-
<i>Rodentolepis nana</i>	-	-	-
<i>Hymenolepis diminuta</i>	-	-	-
<i>Aspiculuris tetraptera</i>	-	-	-
<i>Syphacia muris</i>	-	-	-
<i>Syphacia obvelata</i>	-	-	-

feces	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-
<i>Klebsiella pneumoniae</i>	-	-
<i>Citrobacter rodentium</i>	-	-
<i>Cryptosporidium</i> spp.	-	-
<i>Helicobacter</i> spp.	-	-
<i>Helicobacter bilis</i>	-	-
<i>Helicobacter ganmani</i>	-	-
<i>Helicobacter hepaticus</i>	-	-
<i>Helicobacter mastomyrinus</i>	-	-
<i>Helicobacter rodentium</i>	-	-
<i>Helicobacter typhlonius</i>	-	-
<i>Pseudomonas aeruginosa</i>	-	-
<i>Salmonella</i> spp.	-	-
<i>Entamoeba muris</i>	-	-
<i>Giardia muris</i>	-	-
<i>Spironucleus muris</i>	-	-
<i>Tritrichomonas muris</i>	-	-
<i>Rodentolepis nana</i>	-	-
<i>Hymenolepis diminuta</i>	-	-
<i>Aspiculuris tetraptera</i>	-	-
<i>Syphacia muris</i>	-	-
<i>Syphacia obvelata</i>	-	-

oral swab	RI07-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-
<i>Staphylococcus aureus</i>	-	-	-

oral swab	RI07-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

oral swab	RI19-FP,DOS,FS	RI11-FP,DOS,FS	RI29-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-
<i>Staphylococcus aureus</i>	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

oral swab	RI04-FP,DOS,FS	RI24-FP,DOS,FS	RI26-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-
<i>Staphylococcus aureus</i>	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

oral swab	RI14-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-
<i>Corynebacterium kutscheri</i>	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-
<i>Staphylococcus aureus</i>	-
<i>Streptobacillus moniliformis</i>	-
<i>Streptococcus pneumoniae</i>	-

oral swab	RI14-FP,DOS,FS
<i>Streptococcus</i> sp. beta hemolytic Group A	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-

pelt swab	RI07-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Myocoptes</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-

pelt swab	RI19-FP,DOS,FS	RI11-FP,DOS,FS	RI29-FP,DOS,FS
<i>Myocoptes</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-

pelt swab	RI04-FP,DOS,FS	RI24-FP,DOS,FS	RI26-FP,DOS,FS
<i>Myocoptes</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-

pelt swab	RI14-FP,DOS,FS
<i>Myocoptes</i>	-
<i>Radfordia/Myobia</i>	-

feces	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-
<i>Klebsiella pneumoniae</i>	-	-
<i>Citrobacter rodentium</i>	-	-
<i>Cryptosporidium</i> spp.	-	-
<i>Helicobacter</i> spp.	-	-
<i>Helicobacter bilis</i>	-	-
<i>Helicobacter ganmani</i>	-	-
<i>Helicobacter hepaticus</i>	-	-
<i>Helicobacter mastomyrinus</i>	-	-
<i>Helicobacter rodentium</i>	-	-
<i>Helicobacter typhlonius</i>	-	-
<i>Pseudomonas aeruginosa</i>	-	-
<i>Salmonella</i> spp.	-	-
SARS-CoV-2	-	-
<i>Entamoeba muris</i>	-	-
<i>Giardia muris</i>	-	-
<i>Spironucleus muris</i>	-	-
<i>Tritrichomonas muris</i>	-	-
<i>Rodentolepis nana</i>	-	-

feces	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Hymenolepis diminuta</i>	-	-
<i>Aspiculuris tetraptera</i>	-	-
<i>Syphacia muris</i>	-	-
<i>Syphacia obvelata</i>	-	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress

FINAL REPORT OF LABORATORY EXAMINATION

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www.idexxbioanalytics.com

IDEXX BioAnalytics Case # 115299-2022

Received Date: 6/3/2022

Client Case # Case 2

Completed: 6/13/2022

Submitted By

Ibrahim Faseeh

Phone: 08 9332 5033

Animal Resources Centre

Fax: 08 9310 2839

PO Box 1180

Email: QClab@arc.wa.gov.au

Canning Vale, AU-WA 6970

Australia

Specimen Description

Species: mouse

Breed/Strain: B6homoF1

Description: Dry Oral Swab; Feces; Opti-Spot; Pelt

Swab; Opti-Spot strip(s)

Number of Specimens/Animals: 3

Area: 5b

Client ID	Room #	Species	Strain /Breed				
RI12-1	RI12	mouse	B6homoF1	23/05/2022	OS	1	1
RI12-2	RI12	mouse	B6homoF1	23/05/2022	OS	1	1
RI12-FP,DOS,FS	RI12	mouse	B6homoF1	23/05/2022	FP,DOS,FS	10	3

Services/Tests Performed: *Corynebacterium bovis* (3); Segmented filamentous bacterium (3); *Ornithonyssus* spp. (3); *Pneumocystis murina* (1-2); ARC M-Annual Panel (1-2); ARC Annual PCR Panel (3); *Demodex musculi* (3); *Proteus mirabilis* (3); *Staphylococcus xylosus* (3); MKPV (3); SARS-CoV-2 (3); MuAstV (1-2)

Serologic evaluation for antibodies to: *Clostridium piliforme*, *Mycoplasma pulmonis*, *Pneumocystis murina*, CAR bacillus, Ectromelia, EDIM, Hantaan, K virus, LCMV, LDEV, MAV1, MAV2, MCMV, MHV, MKPV, MNV, MPV, MTV, MuAstV, MVM, Polyoma, PVM, REO3, Sendai, TMEV, *Encephalitozoon cuniculi*

PCR evaluation for: *Aspicularis tetraptera*, *Bordetella bronchiseptica*, *Citrobacter rodentium*, *Corynebacterium bovis*, *Corynebacterium kutscheri*, *Cryptosporidium* spp., *Demodex musculi*, *Entamoeba muris*, *Giardia muris*, *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter* spp., *Helicobacter typhlonius*, *Hymenolepis diminuta*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, Mouse kidney parvovirus (MKPV), *Myocoptes*, *Ornithonyssus* spp., *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype Jawetz, *Proteus mirabilis*, *Pseudomonas aeruginosa*, *Radfordia/Myobia*, *Rodentolepis nana*, *Salmonella* spp., SARS-CoV-2, Segmented filamentous bacterium, *Spironucleus muris*, *Staphylococcus aureus*, *Staphylococcus xylosus*, *Streptobacillus moniliformis*, *Streptococcus*

pneumoniae, *Streptococcus* sp. beta hemolytic Group A, *Streptococcus* sp. beta hemolytic Group B, *Streptococcus* sp. beta hemolytic Group C, *Streptococcus* sp. beta hemolytic Group G, *Syphacia muris*, *Syphacia obvelata*, *Tritrichomonas muris*

General Comments: Tracking: 776975653625

Summary: Antibodies to MuAstV were detected by MFI in multiple samples.

Positive results were found for the following PCR agents:

Segmented filamentous bacterium

Please see the report for details.

SEROLOGY SUMMARY

	R112-1	R112-2
MTV	-	-
CAR bacillus	-	-
<i>Encephalitozoon cuniculi</i>	-	-
Ectromelia	-	-
EDIM	-	-
Hantaan	-	-
K virus	-	-
LCMV	-	-
LDEV	-	-
<i>Mycoplasma pulmonis</i>	-	-
MAV1	-	-
MAV2	-	-
MuAstV	+	+
MCMV	-	-
MHV	-	-
MKPV	-	-
MNV	-	-
MPV	-	-
MVM	-	-
<i>Pneumocystis murina</i>	-	-
Polyoma	-	-
PVM	-	-
REO3	-	-
TMEV	-	-
Sendai	-	-
<i>Clostridium piliforme</i>	-	-
Mouse IgG	N	N

Legend: + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG

PCR EVALUATION

feces	R112-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-
<i>Klebsiella pneumoniae</i>	-
<i>Citrobacter rodentium</i>	-
<i>Cryptosporidium</i> spp.	-
<i>Helicobacter</i> spp.	-

feces	RI12-FP,DOS,FS
<i>Helicobacter bilis</i>	-
<i>Helicobacter ganmani</i>	-
<i>Helicobacter hepaticus</i>	-
<i>Helicobacter mastomyrinus</i>	-
<i>Helicobacter rodentium</i>	-
<i>Helicobacter typhlonius</i>	-
Mouse kidney parvovirus (MKPV)	-
<i>Proteus mirabilis</i>	-
<i>Pseudomonas aeruginosa</i>	-
<i>Salmonella</i> spp.	-
SARS-CoV-2	-
<i>Entamoeba muris</i>	-
<i>Giardia muris</i>	-
<i>Spiroplasma muris</i>	-
<i>Tritrichomonas muris</i>	-
<i>Rodentolepis nana</i>	-
<i>Hymenolepis diminuta</i>	-
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-

oral swab	RI12-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-
<i>Corynebacterium kutscheri</i>	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-
<i>Staphylococcus aureus</i>	-
<i>Streptobacillus moniliformis</i>	-
<i>Streptococcus pneumoniae</i>	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-

pelt swab	RI12-FP,DOS,FS
<i>Corynebacterium bovis</i>	-
<i>Staphylococcus xylosum</i>	-
<i>Myocoptes</i>	-
<i>Radfordia/Myobia</i>	-
<i>Demodex musculi</i>	-
<i>Ornithonyssus</i> spp.	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress

ADDENDUM TO FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

idxbioanalytics@idexx.com

www.idxbioanalytics.com

IDEXX BioAnalytics Case # 115299-2022

Client Case # Case 2

Received Date: 6/3/2022

Completed: 6/13/2022

Addendum Dated: 6/22/2022

Submitted By

Ibrahim Faseeh
 Animal Resources Centre
 PO Box 1180
 Canning Vale, AU-WA 6970
 Australia

Phone: 08 9332 5033
 Fax: 08 9310 2839
 Email: QClab@arc.wa.gov.au

PCR EVALUATION

fecal pellet(s)	R112-FP,DOS,FS
Segmented filamentous bacterium	+

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

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IDEXX BioAnalytics Case # 116454-2022

Received Date: 6/16/2022

Client Case # Case 1

Completed: 6/22/2022

Submitted By

Ibrahim Faseeh

Phone: 08 9332 5033

Animal Resources Centre

Fax: 08 9310 2839

PO Box 1180

Email: QClab@arc.wa.gov.au

Canning Vale, AU-WA 6970

Australia

Specimen Description

Species: mouse

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

Description: Dry Oral Swab; Feces; Opti-Spot; Pelt

Swab; Opti-Spot strip(s)

Number of Specimens/Animals: 3

Area: 5b

Client ID	Room #	Species	Strain /Breed				
RI32-1	RI32	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	30/05/2022	OS	1	1
RI32-2	RI32	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	30/05/2022	OS	1	1
RI32-FP,DOS,FS	RI32	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	30/05/2022	FP,DOS,FS	10	3

Services/Tests Performed: ARC M-Annual Panel (1-2); ARC Annual PCR Panel (3); SARS-CoV-2 (3)

Serologic evaluation for antibodies to: *Clostridium piliforme*, *Mycoplasma pulmonis*, CAR bacillus, Ectromelia, EDIM, Hantaan, K virus, LCMV, LDEV, MAV1, MAV2, MCMV, MHV, MKPV, MNV, MPV, MTV, MVM, Polyoma, PVM, REO3, Sendai, TMEV, *Encephalitozoon cuniculi*

PCR evaluation for: *Aspicularis tetraoptera*, *Bordetella bronchiseptica*, *Citrobacter rodentium*, *Corynebacterium kutscheri*, *Cryptosporidium* spp., *Entamoeba muris*, *Giardia muris*, *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter* spp., *Helicobacter typhlonius*, *Hymenolepis diminuta*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Mycocptes*, *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype Jawetz, *Pseudomonas aeruginosa*, *Radfordia/Myobia*, *Rodentolepis nana*, *Salmonella* spp., SARS-CoV-2, *Spironucleus muris*, *Staphylococcus*

aureus, *Streptobacillus moniliformis*, *Streptococcus pneumoniae*, *Streptococcus* sp. beta hemolytic Group A, *Streptococcus* sp. beta hemolytic Group B, *Streptococcus* sp. beta hemolytic Group C, *Streptococcus* sp. beta hemolytic Group G, *Syphacia muris*, *Syphacia obvelata*, *Tritrichomonas muris*

General Comments: Tracking: 777080891986

Summary: All test results were negative.

SEROLOGY SUMMARY

	RI32-1	RI32-2
MTV	-	-
CAR bacillus	-	-
<i>Encephalitozoon cuniculi</i>	-	-
Ectromelia	-	-
EDIM	-	-
Hantaan	-	-
K virus	-	-
LCMV	-	-
LDEV	-	-
<i>Mycoplasma pulmonis</i>	-	-
MAV1	-	-
MAV2	-	-
MCMV	-	-
MHV	-	-
MKPV	-	-
MNV	-	-
MPV	-	-
MVM	-	-
Polyoma	-	-
PVM	-	-
REO3	-	-
TMEV	-	-
Sendai	-	-
<i>Clostridium piliforme</i>	-	-
Mouse IgG	N	N

Legend: + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG

PCR EVALUATION

feces	RI32-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-
<i>Klebsiella pneumoniae</i>	-
<i>Citrobacter rodentium</i>	-
<i>Cryptosporidium</i> spp.	-
<i>Helicobacter</i> spp.	-
<i>Helicobacter bilis</i>	-
<i>Helicobacter ganmani</i>	-

feces	RI32-FP,DOS,FS
<i>Helicobacter hepaticus</i>	-
<i>Helicobacter mastomyrinus</i>	-
<i>Helicobacter rodentium</i>	-
<i>Helicobacter typhlonius</i>	-
<i>Pseudomonas aeruginosa</i>	-
<i>Salmonella</i> spp.	-
SARS-CoV-2	-
<i>Entamoeba muris</i>	-
<i>Giardia muris</i>	-
<i>Spironucleus muris</i>	-
<i>Tritrichomonas muris</i>	-
<i>Rodentolepis nana</i>	-
<i>Hymenolepis diminuta</i>	-
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-

oral swab	RI32-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-
<i>Corynebacterium kutscheri</i>	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-
<i>Staphylococcus aureus</i>	-
<i>Streptobacillus moniliformis</i>	-
<i>Streptococcus pneumoniae</i>	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-

pelt swab	RI32-FP,DOS,FS
<i>Mycocptes</i>	-
<i>Radfordia/Myobia</i>	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress



Animal Health Monitoring Report

Isolator reared

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

Date report issued: 13-Sep-22

JAX Stock No: 034860

K18-hACE2

Report covers the following isolators:

5B; RI12, RI14, RI26

Strains present in isolator:

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

Strain of animal tested:

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

ORGANISMS MONITORED AND EXCLUDED

Viruses

SARS-CoV-2
 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
 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, Spirotrunculus 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

Last Test Date	Results	Mouse		Testing method	Testing frequency
		Past 18 Months			
22-Aug-22	0 / 30	0 / 202		H	q
22-Aug-22	0 / 6	0 / 61		E	q
22-Aug-22	0 / 6	0 / 61		E	q
22-Aug-22	0 / 6	0 / 61		E	q
22-Aug-22	0 / 6	0 / 61		E	q
22-Aug-22	0 / 6	0 / 22		E	q
22-Aug-22	0 / 6	0 / 22		E	q
22-Aug-22	0 / 6	0 / 22		E	q
22-Aug-22	0 / 6	0 / 22		E	q
22-Aug-22	0 / 6	0 / 16		E	a
22-Aug-22	0 / 6	0 / 16		E	a
22-Aug-22	0 / 6	0 / 16		E	a
22-Aug-22	0 / 6	0 / 16		E	a
22-Aug-22	0 / 6	0 / 16		E	a
22-Aug-22	0 / 6	0 / 16		E	a
22-Aug-22	0 / 6	0 / 22		E	q
22-Aug-22	0 / 6	0 / 22		E	q
22-Aug-22	0 / 6	0 / 22		E	q
22-Aug-22	0 / 30	0 / 102		H	q
22-Aug-22	0 / 30	0 / 102		DH	q
22-Aug-22	0 / 30	0 / 102		DH	q
22-Aug-22	0 / 30	0 / 72		CH	a
22-Aug-22	0 / 30	0 / 72		DH	a
22-Aug-22	0 / 30	0 / 72		DH	a
22-Aug-22	0 / 30	0 / 72		DH	a
11-Jan-21	0 / 2	0 / 0		E	a
22-Aug-22	0 / 30	0 / 101		BH	q
22-Aug-22	0 / 30	0 / 102		FGH	q
22-Aug-22	0 / 30	0 / 102		FGH	q
22-Aug-22	0 / 30	0 / 102		FH	q
22-Aug-22	0 / 6	0 / 16		E	a
22-Aug-22	0 / 30	0 / 102		DH	q
22-Aug-22	0 / 30	0 / 102		DH	q
22-Aug-22	0 / 30	0 / 72		CH	a
22-Aug-22	0 / 30	0 / 72		CH	a
22-Aug-22	0 / 30	0 / 72		CH	a
22-Aug-22	0 / 30	0 / 72		CH	a
22-Aug-22	0 / 6	0 / 36		HE	q

Notes:

¹ 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

Area populated: Transferred into RI26 (5/1/22)

Report reviewed by: Dr. Kirsty Moynihan A/CEO 13/09/2022

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

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IDEXX BioAnalytics Case # 124166-2022

Client Case # Case 2

Submitted By

Ibrahim Faseeh
 Animal Resources Centre
 PO Box 1180
 Canning Vale, AU-WA 6970
 Australia

Phone: 08 9332 5033
 Fax: 08 9310 2839
 Email: QClab@arc.wa.gov.au

Received Date: 9/1/2022

Completed: 9/7/2022

Specimen Description

Species: mouse
 Breed/Strain: B6.Cg-Tg(K18-ACE2)2PrImn/JArc;
 B6.SVJ129-Rag1tm1ba
 Description: Dry Oral Swab; Feces; Opti-Spot; Pelt
 Swab; Opti-Spot strip(s)
 Number of Specimens/Animals: 21
 Area: 5b

Client ID	Room #	Species	Strain /Breed				
RI19-1	RI19	mouse	BALB/c-Foxn1nu/Arc	22/08/2022	OS	1	1
RI19-2	RI19	mouse	BALB/c-Foxn1nu/Arc	22/08/2022	OS	1	1
RI11-1	RI11	mouse	BALB/c-Foxn1nu/Arc	22/08/2022	OS	1	1
RI11-2	RI11	mouse	BALB/c-Foxn1nu/Arc	22/08/2022	OS	1	1
RI12-1	RI12	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	22/08/2022	OS	1	1
RI12-2	RI12	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	22/08/2022	OS	1	1
RI26-1	RI26	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	22/08/2022	OS	1	1
RI26-2	RI26	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	22/08/2022	OS	1	1

Client ID	Room #	Species	Strain /Breed				
RI14-1	RI14	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	22/08/2022	OS	1	1
RI14-2	RI14	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	22/08/2022	OS	1	1
RI15-FP,DOS,FS	RI15	mouse	B6.SVJ129-Rag1tm1bal/Arc	22/08/2022	FP,DOS,FS	10	3
RI10-FP,DOS,FS	RI10	mouse	NOD.CB17-Prkdcscid/Arc	22/08/2022	FP,DOS,FS	10	3
RI27-FP,DOS,FS	RI27	mouse	C.B-17/IcrHanHsd-Prkdcscid/Arc	22/08/2022	FP,DOS,FS	10	3
RI29-FP,DOS,FS	RI29	mouse	NOD.Cg-Rag1tm1MomI2rgtm1Wjl/SzJ/Arc	22/08/2022	FP,DOS,FS	10	3
RI04-FP,DOS,FS	RI04	mouse	NOD.Cg-Prkdc scid I2rg tm1Wjl /SzJ/Arc	22/08/2022	FP,DOS,FS	10	3
RI24-FP,DOS,FS	RI24	mouse	NOD.Cg-Prkdc scid I2rg tm1Wjl /SzJ/Arc	22/08/2022	FP,DOS,FS	10	3
RI12-FP,DOS,FS	RI12	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	22/08/2022	FP,DOS,FS	10	3
RI26-FP,DOS,FS	RI26	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	22/08/2022	FP,DOS,FS	10	3
RI14-FP,DOS,FS	RI14	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	22/08/2022	FP,DOS,FS	10	3
RI19-FP,DOS,FS	RI19	mouse	BALB/c-Foxn1nu/Arc	22/08/2022	FP,DOS,FS	10	3
RI11-FP,DOS,FS	RI11	mouse	BALB/c-Foxn1nu/Arc	22/08/2022	FP,DOS,FS	10	3

Services/Tests Performed: ARC M-Annual Panel (1-10); ARC Annual PCR Panel (11-19); SARS-CoV-2 (17-19); ARC Annual Nude PCR Panel (20-21)

Serologic evaluation for antibodies to: *Clostridium piliforme*, *Mycoplasma pulmonis*, CAR bacillus, Ectromelia, EDIM, Hantaan, K virus, LCMV, LDEV, MAV1, MAV2, MCMV, MHV, MKPV, MNV, MPV, MTV, MVM, Polyoma, PVM, REO3, Sendai, TMEV, *Encephalitozoon cuniculi*

PCR evaluation for: *Aspicularis tetraptera*, *Bordetella bronchiseptica*, *Citrobacter rodentium*, *Corynebacterium bovis*, *Corynebacterium kutscheri*, *Entamoeba muris*, *Giardia muris*, *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter spp.*, *Helicobacter typhlonius*, *Hymenolepis diminuta*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Mycocptes*, *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype Jawetz, *Proteus mirabilis*, *Pseudomonas*

aeruginosa, *Radfordia/Myobia*, *Rodentolepis nana*, *Salmonella* spp., SARS-CoV-2, *Spironucleus muris*, *Staphylococcus aureus*, *Staphylococcus xylosum*, *Streptobacillus moniliformis*, *Streptococcus pneumoniae*, *Streptococcus* sp. beta hemolytic Group A, *Streptococcus* sp. beta hemolytic Group B, *Streptococcus* sp. beta hemolytic Group C, *Streptococcus* sp. beta hemolytic Group G, *Syphacia muris*, *Syphacia obvelata*, *Tritrichomonas muris*

General Comments: Tracking: 777768941114

Summary: Reactivity to EDIM whole virus was detected by MFI2 in sample R112-1; however, the corresponding EDIM VP6 MFI2 and IFA test results were negative. For these reasons, the overall conclusion is that the sample is negative for antibodies to EDIM.

Please see the report for details.

SEROLOGY SUMMARY

	RI19-1	RI19-2	RI11-1
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-
MAV2	-	-	-
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

	RI11-2	RI12-1	RI12-2
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-

	RI11-2	RI12-1	RI12-2
MAV2	-	-	-
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

	RI26-1	RI26-2	RI14-1
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-
MAV2	-	-	-
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

	RI14-2
MTV	-
CAR bacillus	-
<i>Encephalitozoon cuniculi</i>	-
Ectromelia	-
EDIM	-
Hantaan	-
K virus	-
LCMV	-
LDEV	-
<i>Mycoplasma pulmonis</i>	-
MAV1	-
MAV2	-
MCMV	-
MHV	-
MKPV	-
MNV	-
MPV	-
MVM	-
Polyoma	-
PVM	-
REO3	-
TMEV	-
Sendai	-
<i>Clostridium piliforme</i>	-
Mouse IgG	N

Legend: + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG

PCR EVALUATION

feces	RI15-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-
<i>Citrobacter rodentium</i>	-	-	-
<i>Helicobacter</i> spp.	-	-	-
<i>Helicobacter bilis</i>	-	-	-
<i>Helicobacter ganmani</i>	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-
<i>Helicobacter rodentium</i>	-	-	-

feces	RI15-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Helicobacter typhlonius</i>	-	-	-
<i>Pseudomonas aeruginosa</i>	-	-	-
<i>Salmonella</i> spp.	-	-	-
<i>Entamoeba muris</i>	-	-	-
<i>Giardia muris</i>	-	-	-
<i>Spironucleus muris</i>	-	-	-
<i>Tritrichomonas muris</i>	-	-	-
<i>Rodentolepis nana</i>	-	-	-
<i>Hymenolepis diminuta</i>	-	-	-
<i>Aspiculuris tetraptera</i>	-	-	-
<i>Syphacia muris</i>	-	-	-
<i>Syphacia obvelata</i>	-	-	-

feces	RI29-FP,DOS,FS	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-
<i>Citrobacter rodentium</i>	-	-	-
<i>Helicobacter</i> spp.	-	-	-
<i>Helicobacter bilis</i>	-	-	-
<i>Helicobacter ganmani</i>	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-
<i>Helicobacter rodentium</i>	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-
<i>Pseudomonas aeruginosa</i>	-	-	-
<i>Salmonella</i> spp.	-	-	-
<i>Entamoeba muris</i>	-	-	-
<i>Giardia muris</i>	-	-	-
<i>Spironucleus muris</i>	-	-	-
<i>Tritrichomonas muris</i>	-	-	-
<i>Rodentolepis nana</i>	-	-	-
<i>Hymenolepis diminuta</i>	-	-	-
<i>Aspiculuris tetraptera</i>	-	-	-
<i>Syphacia muris</i>	-	-	-
<i>Syphacia obvelata</i>	-	-	-

feces	RI19-FP,DOS,FS	RI11-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-
<i>Klebsiella pneumoniae</i>	-	-
<i>Citrobacter rodentium</i>	-	-
<i>Helicobacter</i> spp.	-	-

feces	RI19-FP,DOS,FS	RI11-FP,DOS,FS
<i>Helicobacter bilis</i>	-	-
<i>Helicobacter ganmani</i>	-	-
<i>Helicobacter hepaticus</i>	-	-
<i>Helicobacter mastomyrinus</i>	-	-
<i>Helicobacter rodentium</i>	-	-
<i>Helicobacter typhlonius</i>	-	-
<i>Pseudomonas aeruginosa</i>	-	-
<i>Salmonella</i> spp.	-	-
<i>Entamoeba muris</i>	-	-
<i>Giardia muris</i>	-	-
<i>Spirochete muris</i>	-	-
<i>Tritrichomonas muris</i>	-	-
<i>Rodentolepis nana</i>	-	-
<i>Hymenolepis diminuta</i>	-	-
<i>Aspiculuris tetraptera</i>	-	-
<i>Syphacia muris</i>	-	-
<i>Syphacia obvelata</i>	-	-

oral swab	RI15-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-
<i>Staphylococcus aureus</i>	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

oral swab	RI29-FP,DOS,FS	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-
<i>Staphylococcus aureus</i>	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-

oral swab	RI29-FP,DOS,FS	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

oral swab	RI12-FP,DOS,FS	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-
<i>Staphylococcus aureus</i>	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

oral swab	RI19-FP,DOS,FS	RI11-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-
<i>Corynebacterium kutscheri</i>	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-
<i>Staphylococcus aureus</i>	-	-
<i>Streptobacillus moniliformis</i>	-	-
<i>Streptococcus pneumoniae</i>	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-

pelt swab	RI15-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Corynebacterium bovis</i>	-	-	-
<i>Mycocptes</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-

pelt swab	RI29-FP,DOS,FS	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Corynebacterium bovis</i>	-	-	-
<i>Mycocptes</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-

pelt swab	RI12-FP,DOS,FS	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Corynebacterium bovis</i>	-	-	-

pelt swab	RI12-FP,DOS,FS	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Myocoptes</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-

feces	RI12-FP,DOS,FS	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-
<i>Citrobacter rodentium</i>	-	-	-
<i>Helicobacter</i> spp.	-	-	-
<i>Helicobacter bilis</i>	-	-	-
<i>Helicobacter ganmani</i>	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-
<i>Helicobacter rodentium</i>	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-
<i>Proteus mirabilis</i>	-	-	-
<i>Pseudomonas aeruginosa</i>	-	-	-
<i>Salmonella</i> spp.	-	-	-
SARS-CoV-2	-	-	-
<i>Entamoeba muris</i>	-	-	-
<i>Giardia muris</i>	-	-	-
<i>Spironucleus muris</i>	-	-	-
<i>Tritrichomonas muris</i>	-	-	-
<i>Rodentolepis nana</i>	-	-	-
<i>Hymenolepis diminuta</i>	-	-	-
<i>Aspiculuris tetraptera</i>	-	-	-
<i>Syphacia muris</i>	-	-	-
<i>Syphacia obvelata</i>	-	-	-

pelt swab	RI19-FP,DOS,FS	RI11-FP,DOS,FS
<i>Corynebacterium bovis</i>	-	-
<i>Staphylococcus xylosum</i>	-	-
<i>Myocoptes</i>	-	-
<i>Radfordia/Myobia</i>	-	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress



Animal Health Monitoring Report

Isolator reared

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

Date report issued: 07-Jan-23

[JAX Stock No: 034860](#)

K18-hACE2

Report covers the following isolators:

5B; R112, R114, R126

Strains present in isolator:

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

Strain of animal tested:

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

ORGANISMS MONITORED AND EXCLUDED

Viruses

SARS-CoV-2
 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
 Mouse Kidney Parvovirus

Bacteria and Fungi

CAR bacillus
Clostridium piliforme
Mycoplasma pulmonis
Helicobacter spp.¹
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*, *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

	Mouse			Testing method	Testing frequency
	Last Test Date	Results	Past 18 Months		
	21-Nov-22	0 / 30	0 / 202	H	q
	21-Nov-22	0 / 6	0 / 52	E	q
	21-Nov-22	0 / 6	0 / 52	E	q
	21-Nov-22	0 / 6	0 / 52	E	q
	21-Nov-22	0 / 6	0 / 52	E	q
	21-Nov-22	0 / 6	0 / 26	E	q
	21-Nov-22	0 / 6	0 / 26	E	q
	21-Nov-22	0 / 6	0 / 26	E	q
	21-Nov-22	0 / 6	0 / 26	E	q
	21-Nov-22	0 / 6	0 / 26	E	q
	21-Nov-22	0 / 6	0 / 26	E	q
	21-Nov-22	0 / 6	0 / 22	E	a
	21-Nov-22	0 / 6	0 / 22	E	a
	21-Nov-22	0 / 6	0 / 22	E	a
	21-Nov-22	0 / 6	0 / 22	E	a
	21-Nov-22	0 / 6	0 / 22	E	a
	21-Nov-22	0 / 6	0 / 22	E	a
	21-Nov-22	0 / 6	0 / 32	HE	q
	21-Nov-22	0 / 6	0 / 26	E	q
	21-Nov-22	0 / 6	0 / 26	E	q
	21-Nov-22	0 / 6	0 / 26	E	q
	21-Nov-22	0 / 30	0 / 122	H	q
	21-Nov-22	0 / 30	0 / 122	DH	q
	21-Nov-22	0 / 30	0 / 122	DH	q
	21-Nov-22	0 / 30	0 / 102	CH	a
	21-Nov-22	0 / 30	0 / 102	DH	a
	21-Nov-22	0 / 30	0 / 102	DH	a
	21-Nov-22	0 / 30	0 / 102	DH	a
	11-Jan-21	0 / 2	0 / 0	E	a
	21-Nov-22	0 / 30	0 / 121	BH	q
	21-Nov-22	0 / 30	0 / 122	FGH	q
	21-Nov-22	0 / 30	0 / 122	FGH	q
	21-Nov-22	0 / 30	0 / 122	FH	q
	21-Nov-22	0 / 6	0 / 22	E	a
	21-Nov-22	0 / 30	0 / 122	DH	q
	21-Nov-22	0 / 30	0 / 122	DH	q
	21-Nov-22	0 / 30	0 / 102	CH	a
	21-Nov-22	0 / 30	0 / 102	CH	a
	21-Nov-22	0 / 30	0 / 102	CH	a
	21-Nov-22	0 / 30	0 / 102	CH	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

Area populated: Transferred into RI26 (5/1/22)
Report reviewed by: Dr. Christopher Cooper Senior Veterinarian 03/01/23

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

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www.idexxbioanalytics.com

IDEXX BioAnalytics Case # 133194-2022

Received Date: 12/2/2022

Client Case # Case 1

Completed: 12/7/2022

Submitted By

Ibrahim Faseeh
 Animal Resources Centre
 PO Box 1180
 Canning Vale, AU-WA 6970
 Australia

Phone: 08 9332 5033
 Fax: 08 9310 2839
 Email: QClab@arc.wa.gov.au

Specimen Description

Species: mouse
 Breed/Strain: B6.Cg-Tg(K18-ACE2)2PrImn/JArc;
 B6.SVJ129-Rag1tm1ba
 Description: Dry Oral Swab; Feces; Opti-Spot; Pelt
 Swab; Opti-Spot strip(s)
 Number of Specimens/Animals: 21
 Area: 5b

Client ID	Room #	Species	Strain /Breed				
RI35-1	RI35	mouse	BALB/c-Foxn1nu/Arc	21/11/2022	OS	1	1
RI35-2	RI35	mouse	BALB/c-Foxn1nu/Arc	21/11/2022	OS	1	1
RI11-1	RI11	mouse	BALB/c-Foxn1nu/Arc	21/11/2022	OS	1	1
RI11-2	RI11	mouse	BALB/c-Foxn1nu/Arc	21/11/2022	OS	1	1
RI12-1	RI12	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	21/11/2022	OS	1	1
RI12-2	RI12	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	21/11/2022	OS	1	1
RI26-1	RI26	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	21/11/2022	OS	1	1
RI26-2	RI26	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	21/11/2022	OS	1	1

Client ID	Room #	Species	Strain /Breed				
RI14-1	RI14	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	21/11/2022	OS	1	1
RI14-2	RI14	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	21/11/2022	OS	1	1
RI15-FP,DOS,FS	RI15	mouse	B6.SVJ129-Rag1tm1bal/Arc	21/11/2022	FP,DOS,FS	10	3
RI10-FP,DOS,FS	RI10	mouse	NOD.CB17-Prkdcscid/Arc	21/11/2022	FP,DOS,FS	10	3
RI27-FP,DOS,FS	RI27	mouse	C.B-17/IcrHanHsd-Prkdcscid/Arc	21/11/2022	FP,DOS,FS	10	3
RI29-FP,DOS,FS	RI29	mouse	NOD.Cg-Rag1tm1MomI2rgtm1Wjl/SzJ/Arc	21/11/2022	FP,DOS,FS	10	3
RI04-FP,DOS,FS	RI04	mouse	NOD.Cg-Prkdc scid I2rg tm1Wjl /SzJ/Arc	21/11/2022	FP,DOS,FS	10	3
RI24-FP,DOS,FS	RI24	mouse	NOD.Cg-Prkdc scid I2rg tm1Wjl /SzJ/Arc	21/11/2022	FP,DOS,FS	10	3
RI12-FP,DOS,FS	RI12	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	21/11/2022	FP,DOS,FS	10	3
RI26-FP,DOS,FS	RI26	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	21/11/2022	FP,DOS,FS	10	3
RI14-FP,DOS,FS	RI14	mouse	B6.Cg-Tg(K18-ACE2)2PrImn/JArc	21/11/2022	FP,DOS,FS	10	3
RI35-FP,DOS,FS	RI35	mouse	BALB/c-Foxn1nu/Arc	21/11/2022	FP,DOS,FS	10	3
RI11-FP,DOS,FS	RI11	mouse	BALB/c-Foxn1nu/Arc	21/11/2022	FP,DOS,FS	10	3

Services/Tests Performed: ARC M-Annual Panel (1-10); ARC Annual PCR Panel (17-19); MKPV (11-21); SARS-CoV-2 (17-19); ARC Annual Nude PCR Panel (20-21)

Serologic evaluation for antibodies to: *Clostridium piliforme*, *Mycoplasma pulmonis*, CAR bacillus, Ectromelia, EDIM, Hantaan, K virus, LCMV, LDEV, MAV1, MAV2, MCMV, MHV, MKPV, MNV, MPV, MTV, MVM, Polyoma, PVM, REO3, Sendai, TMEV, *Encephalitozoon cuniculi*

PCR evaluation for: *Aspicularis tetraptera*, *Bordetella bronchiseptica*, *Citrobacter rodentium*, *Corynebacterium bovis*, *Corynebacterium kutscheri*, *Entamoeba muris*, *Giardia muris*, *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter* spp., *Helicobacter typhlonius*, *Hymenolepis diminuta*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, Mouse kidney parvovirus (MKPV), *Mycopetes*, *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype Jawetz, *Proteus mirabilis*

, *Pseudomonas aeruginosa*, *Radfordia/Myobia*, *Rodentolepis nana*, *Salmonella* spp., SARS-CoV-2, *Spironucleus muris*, *Staphylococcus aureus*, *Staphylococcus xylosus*, *Streptobacillus moniliformis*, *Streptococcus pneumoniae*, *Streptococcus* sp. beta hemolytic Group A, *Streptococcus* sp. beta hemolytic Group B, *Streptococcus* sp. beta hemolytic Group C, *Streptococcus* sp. beta hemolytic Group G, *Syphacia muris*, *Syphacia obvelata*, *Tritrichomonas muris*

General Comments: Tracking: 770558977239

Summary: All test results were negative.

SEROLOGY SUMMARY

	RI35-1	RI35-2	RI11-1
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-
MAV2	-	-	-
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

	RI11-2	RI12-1	RI12-2
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-

	RI11-2	RI12-1	RI12-2
MAV2	-	-	-
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

	RI26-1	RI26-2	RI14-1
MTV	-	-	-
CAR bacillus	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-
Ectromelia	-	-	-
EDIM	-	-	-
Hantaan	-	-	-
K virus	-	-	-
LCMV	-	-	-
LDEV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-
MAV2	-	-	-
MCMV	-	-	-
MHV	-	-	-
MKPV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Mouse IgG	N	N	N

	RI14-2
MTV	-
CAR bacillus	-
<i>Encephalitozoon cuniculi</i>	-
Ectromelia	-
EDIM	-
Hantaan	-
K virus	-
LCMV	-
LDEV	-
<i>Mycoplasma pulmonis</i>	-
MAV1	-
MAV2	-
MCMV	-
MHV	-
MKPV	-
MNV	-
MPV	-
MVM	-
Polyoma	-
PVM	-
REO3	-
TMEV	-
Sendai	-
<i>Clostridium piliforme</i>	-
Mouse IgG	N

Legend: + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG

PCR EVALUATION

feces	RI12-FP,DOS,FS	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-
<i>Citrobacter rodentium</i>	-	-	-
<i>Corynebacterium bovis</i>	-	-	-
<i>Helicobacter</i> spp.	-	-	-
<i>Helicobacter bilis</i>	-	-	-
<i>Helicobacter ganmani</i>	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-

feces	RI12-FP,DOS,FS	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Helicobacter rodentium</i>	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-
Mouse kidney parvovirus (MKPV)	-	-	-
<i>Pseudomonas aeruginosa</i>	-	-	-
<i>Salmonella</i> spp.	-	-	-
SARS-CoV-2	-	-	-
<i>Entamoeba muris</i>	-	-	-
<i>Giardia muris</i>	-	-	-
<i>Spironucleus muris</i>	-	-	-
<i>Tritrichomonas muris</i>	-	-	-
<i>Rodentolepis nana</i>	-	-	-
<i>Hymenolepis diminuta</i>	-	-	-
<i>Aspiculuris tetraptera</i>	-	-	-
<i>Syphacia muris</i>	-	-	-
<i>Syphacia obvelata</i>	-	-	-

fecal pellet(s)	RI15-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-
<i>Citrobacter rodentium</i>	-	-	-
<i>Helicobacter</i> spp.	-	-	-
<i>Helicobacter bilis</i>	-	-	-
<i>Helicobacter ganmani</i>	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-
<i>Helicobacter rodentium</i>	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-
Mouse kidney parvovirus (MKPV)	-	-	-
<i>Pseudomonas aeruginosa</i>	-	-	-
<i>Salmonella</i> spp.	-	-	-
<i>Entamoeba muris</i>	-	-	-
<i>Giardia muris</i>	-	-	-
<i>Spironucleus muris</i>	-	-	-
<i>Tritrichomonas muris</i>	-	-	-
<i>Rodentolepis nana</i>	-	-	-
<i>Hymenolepis diminuta</i>	-	-	-
<i>Aspiculuris tetraptera</i>	-	-	-
<i>Syphacia muris</i>	-	-	-
<i>Syphacia obvelata</i>	-	-	-

fecal pellet(s)	RI29-FP,DOS,FS	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-
<i>Citrobacter rodentium</i>	-	-	-
<i>Helicobacter</i> spp.	-	-	-
<i>Helicobacter bilis</i>	-	-	-
<i>Helicobacter ganmani</i>	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-
<i>Helicobacter rodentium</i>	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-
Mouse kidney parvovirus (MKPV)	-	-	-
<i>Pseudomonas aeruginosa</i>	-	-	-
<i>Salmonella</i> spp.	-	-	-
<i>Entamoeba muris</i>	-	-	-
<i>Giardia muris</i>	-	-	-
<i>Spironucleus muris</i>	-	-	-
<i>Tritrichomonas muris</i>	-	-	-
<i>Rodentolepis nana</i>	-	-	-
<i>Hymenolepis diminuta</i>	-	-	-
<i>Aspiculuris tetraptera</i>	-	-	-
<i>Syphacia muris</i>	-	-	-
<i>Syphacia obvelata</i>	-	-	-

oral swab	RI15-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-
<i>Staphylococcus aureus</i>	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

oral swab	RI29-FP,DOS,FS	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-

oral swab	RI29-FP,DOS,FS	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Staphylococcus aureus</i>	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

oral swab	RI12-FP,DOS,FS	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-	-
<i>Corynebacterium kutscheri</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-
<i>Staphylococcus aureus</i>	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-

oral swab	RI35-FP,DOS,FS	RI11-FP,DOS,FS
<i>Bordetella bronchiseptica</i>	-	-
<i>Corynebacterium kutscheri</i>	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-
<i>Staphylococcus aureus</i>	-	-
<i>Streptobacillus moniliformis</i>	-	-
<i>Streptococcus pneumoniae</i>	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-

pelt swab	RI15-FP,DOS,FS	RI10-FP,DOS,FS	RI27-FP,DOS,FS
<i>Corynebacterium bovis</i>	-	-	-
<i>Mycobacterium</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-

pelt swab	RI29-FP,DOS,FS	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Corynebacterium bovis</i>	-	-	-

pelt swab	RI29-FP,DOS,FS	RI04-FP,DOS,FS	RI24-FP,DOS,FS
<i>Myocoptes</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-

pelt swab	RI12-FP,DOS,FS	RI26-FP,DOS,FS	RI14-FP,DOS,FS
<i>Corynebacterium bovis</i>	-	-	-
<i>Myocoptes</i>	-	-	-
<i>Radfordia/Myobia</i>	-	-	-

fecal slurry	RI35-FP,DOS,FS	RI11-FP,DOS,FS
<i>Klebsiella oxytoca</i>	-	-
<i>Klebsiella pneumoniae</i>	-	-
<i>Citrobacter rodentium</i>	-	-
<i>Helicobacter</i> spp.	-	-
<i>Helicobacter bilis</i>	-	-
<i>Helicobacter ganmani</i>	-	-
<i>Helicobacter hepaticus</i>	-	-
<i>Helicobacter mastomyrinus</i>	-	-
<i>Helicobacter rodentium</i>	-	-
<i>Helicobacter typhlonius</i>	-	-
Mouse kidney parvovirus (MKPV)	-	-
<i>Proteus mirabilis</i>	-	-
<i>Pseudomonas aeruginosa</i>	-	-
<i>Salmonella</i> spp.	-	-
<i>Entamoeba muris</i>	-	-
<i>Giardia muris</i>	-	-
<i>Spironucleus muris</i>	-	-
<i>Tritrichomonas muris</i>	-	-
<i>Rodentolepis nana</i>	-	-
<i>Hymenolepis diminuta</i>	-	-
<i>Aspiculuris tetraptera</i>	-	-
<i>Syphacia muris</i>	-	-
<i>Syphacia obvelata</i>	-	-

pelt swab	RI35-FP,DOS,FS	RI11-FP,DOS,FS
<i>Corynebacterium bovis</i>	-	-
<i>Staphylococcus xylosum</i>	-	-
<i>Myocoptes</i>	-	-
<i>Radfordia/Myobia</i>	-	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress