



## Animal Health Monitoring Report

Barrier Area: **4b (Rat)**

Date report issued: **12-Dec-22**

### ORGANISMS MONITORED AND EXCLUDED

	Rat				Testing method	Testing frequency
	Last Test Date	Results	Past 18 Months			
<b>Viruses</b>						
Pneumonia Virus of Mice	14-Nov-22	0 / 10	0 / 44		E	q
Rat Theilovirus	14-Nov-22	0 / 10	0 / 44		E	q
Sendai Virus	14-Nov-22	0 / 10	0 / 44		E	q
Mouse Adenovirus Type 1 & 2	14-Nov-22	0 / 10	0 / 44		E	q
Sialodacryoadenitis/ Rat Corona Virus	14-Nov-22	0 / 10	0 / 44		E	q
Rat Parvoviruses (RPV, RMV, KRV, H1)**	14-Nov-22	0 / 10	0 / 44		E	q
Lymphocytic Choriomeningitis Virus	14-Nov-22	0 / 10	0 / 44		E	q
Hantaan (Korean Haemorrhagic Fever)	08-Feb-22	0 / 8	0 / 8		E	a
Reovirus -3	08-Feb-22	0 / 8	0 / 8		E	a
Rat Rotavirus	08-Feb-22	0 / 8	0 / 8		E	a
<b>Bacteria and Fungi</b>						
<i>CAR bacillus</i>	14-Nov-22	0 / 10	0 / 44		E	q
<i>Clostridium piliforme</i> <sup>2</sup>	14-Nov-22	0 / 60	0 / 186		EH	q
<i>Mycoplasma pulmonis</i>	14-Nov-22	0 / 10	0 / 44		E	q
<i>Helicobacter</i> spp. *	14-Nov-22	0 / 50	0 / 188		H	q
<i>Streptococcus pneumoniae</i>	14-Nov-22	0 / 50	0 / 188		DH	q
<i>Pasteurella pneumotropica</i>	14-Nov-22	0 / 50	0 / 188		DH	q
<i>Salmonella</i> spp.	08-Feb-22	0 / 8	0 / 8		CH	a
<i>Bordetella bronchiseptica</i>	08-Feb-22	0 / 8	0 / 8		DH	a
<i>Corynebacterium kutscheri</i>	08-Feb-22	0 / 8	0 / 8		DH	a
<i>Streptobacillus moniliformis</i>	08-Feb-22	0 / 8	0 / 8		DH	a
<b>Parasites and Protozoa</b>						
Arthropods (Fur mites, lice, fleas)	14-Nov-22	0 / 50	0 / 184		BH	q
Nematodes (pinworms)	14-Nov-22	0 / 50	0 / 184		FGH	q
Cestodes	14-Nov-22	0 / 50	0 / 184		FGH	q
Protozoa: <i>Giardia muris</i> , <i>Spironucleus muris</i> , <i>Tritrichomonas muris</i> , <i>Entamoeba muris</i>	14-Nov-22	0 / 50	0 / 184		FH	q
<i>Encephalitozoon cuniculi</i>	14-Nov-22	0 / 10	0 / 44		E	q
<b>ORGANISMS MONITORED BUT NOT EXCLUDED:</b>						
<i>Pneumocystis carinii</i>	14-Nov-22	0 / 10	0 / 44		HE	q
<i>Staphylococcus aureus</i> <sup>1</sup>	14-Nov-22	50 / 50	158 / 188		DH	q
<i>Streptococcus</i> sp. beta hemolytic Groups A, B or C	14-Nov-22	0 / 50	0 / 188		DH	q
<i>Klebsiella oxytoca</i> <sup>1</sup>	04-May-22	20 / 40	20 / 48		CH	a
<i>Klebsiella pneumoniae</i>	08-Feb-22	0 / 8	0 / 8		CH	a
<i>Citrobacter rodentium</i>	08-Feb-22	0 / 8	0 / 8		CH	a
<i>Pseudomonas aeruginosa</i>	08-Feb-22	0 / 8	0 / 8		CH	a

#### Notes:

<sup>1</sup> These agents are opportunistic agents. Finding them as a component of the normal flora of a healthy laboratory rodent is of minimal significance. Generally, colonisation of a healthy, asymptomatic animal with this agent does not affect its suitability for use in research, surgery or teaching. Samples are pooled PCR. For more information, please contact Animal Resources Centre + 61 8 9332 5033

<sup>2</sup> This agent was detected in old area 4a rats in June 2022. Area 4a and 4b are completely separate SPF barrier areas where 4a received outbred rat stock from area 4b. Area 4a has been depopulated since then. Area 4b animal will undergo monthly screening for *C. piliforme* till December, in addition to routine quarterly and annual testing for other agents on the animal health monitoring report. For more information, please contact Animal Resources Centre + 61 8 9332 5033

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

\*\* Rat parvoviruses tested include PRV, RMV, KRV and H1. RPV = Rat parvovirus RMV = Rat minute virus KRV = Kilham rat virus H1= Toolhan's H1 virus

#### 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 on pooled samples. 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: 04-Nov-20

For strains in area refer to [www.arc.wa.gov.au](http://www.arc.wa.gov.au) → Quick Links → Strain Location Health Report → ARC Strains held in each Production Area

Report reviewed by: Dr. Christopher Cooper Senior Veterinary Surgeon 12/12/2022