Animal Health Monitoring Report

Isolator reared

SD-*Rag2* ^{tm2Hera} *Il2rg* ^{tm1Hera} /HeraArc

Date report issued: 16-Sep-21

Report covers the following isolators: RI 36

Strains present in isolator: SD-*Rag2* ^{tm2Hera} *Il2rgt* ^{m1Hera} /Hera/Arc

Strain of animal tested: SD-*Rag2* ^{tm2Hera} *Il2rgt* ^{m1Hera} /Hera/Arc & Immunocompetent rats for serology

ORGANISMS MONITORED AND EXCLUDED

	Rat				
Viruses	**Last Test Date**	**Results**	**Past 18 Months**	**Testing method**	**Testing frequency**
Pneumonia Virus of Mice	**25-Aug-21**	0 / 1	0 / 8	E	q
Rat Theilovirus	**25-Aug-21**	0 / 1	0 / 8	E	q
Sendai Virus	**25-Aug-21**	0 / 1	0 / 8	E	q
Mouse Adenovirus Type 1 & 2	**25-Aug-21**	0 / 1	0 / 8	E	q
Sialodacryoadenitis/ Rat Corona Virus	**25-Aug-21**	0 / 1	0 / 8	E	q
Rat Parvoviruses (RPV, RMV, KRV, H1)	**25-Aug-21**	0 / 1	0 / 8	E	q
Lymphocytic Choriomeningitis Virus	**25-Aug-21**	0 / 1	0 / 8	E	q
Hantaan (Korean Haemorrhagic Fever)	**25-Aug-21**	0 / 1	0 / 8	E	q
Reovirus -3	**25-Aug-21**	0 / 1	0 / 8	E	q
Rat Rotavirus	**25-Aug-21**	0 / 1	0 / 8	E	q
Bacteria and Fungi					
CAR bacillus	**25-Aug-21**	0 / 1	0 / 8	E	q
Clostridium piliforme	**25-Aug-21**	0 / 1	0 / 8	E	q
Mycoplasma pulmonis	**25-Aug-21**	0 / 1	0 / 8	E	q
Helicobacter spp.[1]	**23-Aug-21**	0 / 10	0 / 54	H	q
Streptococcus pneumoniae	**23-Aug-21**	0 / 10	0 / 54	H	q
Pasteurella pneumotropica	**23-Aug-21**	0 / 10	0 / 54	H	q
Salmonella spp.	**23-Aug-21**	0 / 10	0 / 54	H	q
Bordetella bronchiseptica	**23-Aug-21**	0 / 10	0 / 54	H	q
Corynebacterium kutscheri	**23-Aug-21**	0 / 10	0 / 54	H	q
Streptobacillus moniliformis	**23-Aug-21**	0 / 10	0 / 54	H	q
Corynebacterium bovis	**24-Feb-21**	0 / 2	0 / 4	H	a
Parasites and Protozoa					
Arthropods (Fur mites, lice, fleas)	**23-Aug-21**	0 / 10	0 / 52	H	q
Nematodes (pinworms)	**23-Aug-21**	0 / 10	0 / 54	H	q
Cestodes	**23-Aug-21**	0 / 10	0 / 54	H	q
Protozoa: *Giardia muris, Spironucleus muris, Tritrichomonas muris, Entamoeba muris*	**23-Aug-21**	0 / 10	0 / 54	H	q
Encephalitozoon cuniculi	**25-Aug-21**	0 / 1	0 / 8	E	q
ORGANISMS MONITORED BUT NOT EXCLUDED:					
Pneumocystis carinii	**25-Aug-21**	0 / 1	0 / 10	EH	q
Staphylococcus aureus	**23-Aug-21**	0 / 10	0 / 54	H	q
Streptococcus sp. beta hemolytic Groups A, B, C or G	**23-Aug-21**	0 / 10	0 / 54	H	q
Klebsiella oxytoca	**23-Aug-21**	0 / 10	0 / 54	H	q
Klebsiella pneumoniae	**23-Aug-21**	0 / 10	0 / 54	H	q
Citrobacter rodentium	**23-Aug-21**	0 / 10	0 / 54	H	q
Pseudomonas aeruginosa	**23-Aug-21**	0 / 10	0 / 54	H	q

Notes:

[1] *Helicobacter* species tested includes *H.hepaticus, H.bilis, H.rodentium, H.ganmani, H.mastomyrinus* and *H.typhlonius.*

Every quarter, sentinel mice from the stock SD-*Rag2* ^{tm2Hera} *Il2rg* ^{tm1Hera} /HeraArc rack isolators are placed into an IVC with immunocompetent sentinel rats 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: 28-Oct-19
Report reviewed by: Dr. Lydia Pethick, BSc BVMS MANZCVS (Laboratory Animals), Veterinary Services and Quality Control Manager