

Submitter: Uni. of QLD - Translational Research
 Institute
 37 Kent Street
 WOOLLOONGABBA, QLD 4102 Australia
 Contact: AF Breeding Requests

Submission No: 24/A594
 Your ref: Facility wide EAD
 Testing April to June
 Date Submitted: 11 June 2024
 Date of issue: 24 June 2024

Location: 1075

Species: Rat

Bacteria and Fungi	Pos / Tested	Method
Corynebacterium mastitidis	0 / 1	PCR
Helicobacter spp	0 / 1	PCR
Klebsiella oxytoca	0 / 1	PCR
Klebsiella pneumoniae	0 / 1	PCR
Mycoplasma pulmonis	0 / 1	PCR
Pasteurella pneumotropica	0 / 1	PCR
Pneumocystis spp	0 / 1	PCR
Proteus mirabilis	0 / 1	PCR
Salmonella spp	0 / 1	PCR
Staphylococcus aureus	0 / 1	PCR
Staphylococcus spp	1 / 1	PCR
Streptococcus pneumoniae (alpha haem)	0 / 1	PCR
Streptococcus spp (beta haem) - Group A	0 / 1	PCR
Streptococcus spp (beta haem) - Group B	0 / 1	PCR
Streptococcus spp (beta haem) - Group C	0 / 1	PCR
Streptococcus spp (beta haem) - Group G	0 / 1	PCR
Ectoparasite	Pos / Tested	Method
Fur mites - Myobia musculi	0 / 1	PCR
Fur mites - Myocoptes musculinus	0 / 1	PCR
Fur mites - Radfordia affinis	0 / 1	PCR
Endoparasite	Pos / Tested	Method
Cryptosporidium spp	0 / 1	PCR
Giardia muris	0 / 1	PCR
Pinworm - Aspiculuris tetraptera	0 / 1	PCR
Pinworm - Syphacia muris	0 / 1	PCR
Spironucleus muris	0 / 1	PCR
Non-Pathogenic Protozoa	Pos / Tested	Method
Chilomastix spp	0 / 1	PCR
Entamoeba muris	0 / 1	PCR
Trichomonas muris	0 / 1	PCR
Virus	Pos / Tested	Method
Adenovirus Type 1	0 / 1	PCR
Adenovirus Type 2	0 / 1	PCR
Kilham Rat Virus	0 / 1	PCR
Pneumonia Virus of Mice	0 / 1	Rt PCR
Rat Coronavirus	0 / 1	Rt PCR
Rat Minute Virus	0 / 1	PCR
Rat Parvovirus	0 / 1	PCR
Rat Theilovirus	0 / 1	Rt PCR

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Reovirus Type 3	0 / 1	Rt PCR
Sendai Virus	0 / 1	Rt PCR
Toolans H-1	0 / 1	PCR

Comment:

Samples Refs. were:

Sample 01 - AHU 4.

PCR/RT-PCR assays include extraction, positive and negative controls to verify the results.

All other tests conducted were negative.

Exhaust Air Dust testing for specific infectious/parasitic organisms will give us a POSITIVE result if the organism's nucleic acid (DNA) is present in the dust. The level of copy numbers (strength of the positive result) does not relate to the viability/pathogenicity of the organism being tested. A POSITIVE result may or may not represent a clinical infection, it may indicate environmental contamination, or the presence of residual DNA left behind in the exhaust system from incomplete cleaning, following a previous infection/infestation.

Please interpret these results carefully, considering that it may not reflect viable organisms, and correlate the results to known clinical infections. Consider follow up testing of samples taken directly from potentially positive cages or animals.

The following samples were POSITIVE for Staphylococcus spp by PCR: Sample 01 - AHU 4 (1075).

Positive Staphylococcus spp. by PCR may be Staphylococcus aureus, or other coagulase positive or coagulase negative Staphylococci. If you would like further speciation, please contact the laboratory.



Dr Lorna Rasmussen
BVSc, BVSc(Hons),
MMedVet(Path), Dip ACVP,
Specialist Veterinary Pathologist



Peony Fung
Molecular Testing