

Submitter: Uni. of QLD - Translational Research
Institute
37 Kent Street

Submission No: 25/A034

Your ref: Facility Wide EAD
Testing Dec 2024 - Jan
2024

WOOLLOONGABBA, QLD 4102 Australia

Date received: 14 January 2025

Contact: AF Breeding Requests

Date of issue: 20 January 2025

Location: 1002 / Strain ID: Dec 2024 - Jan 2025

Species: Mouse

	Most Recent		Past 12 Months	
Bacteria and Fungi	Pos / Tested	Method	Pos / Tested	
Corynebacterium bovis	0 / 6	PCR	0 / 0	
Corynebacterium kutscheri	0 / 6	PCR	0 / 0	
Helicobacter spp.	5 / 6	PCR	0 / 6	
Klebsiella oxytoca	0 / 6	PCR	0 / 6	
Klebsiella pneumoniae	0 / 6	PCR	0 / 6	
Mycoplasma pulmonis	0 / 6	PCR	0 / 6	
Pasteurella pneumotropica	0 / 6	PCR	0 / 7	
Proteus mirabilis	0 / 6	PCR	0 / 6	
Salmonella spp.	0 / 6	PCR	0 / 6	
Staphylococcus aureus	0 / 6	PCR	0 / 8	
Staphylococcus xylosus	5 / 6	PCR	0 / 0	
Streptococcus pneumoniae (alpha-haem)	0 / 6	PCR	0 / 6	
Streptococcus spp. (beta-haem) - Group A	0 / 6	PCR	0 / 6	
Streptococcus spp. (beta-haem) - Group B	0 / 6	PCR	0 / 6	
Streptococcus spp. (beta-haem) - Group C	0 / 6	PCR	0 / 6	
Streptococcus spp. (beta-haem) - Group G	0 / 6	PCR	0 / 6	
	Most Recent		Past 12 Months	
Ectoparasite	Pos / Tested	Method	Pos / Tested	
Fur mites - Myobia musculi	0 / 6	PCR	0 / 6	
Fur mites - Myocoptes musculinus	0 / 6	PCR	0 / 6	
Fur mites - Radfordia affinis	0 / 6	PCR	0 / 6	
	Most Recent		Past 12 Months	
Endoparasite	Pos / Tested	Method	Pos / Tested	
Cryptosporidium spp.	0 / 6	PCR	0 / 6	
Encephalitozoon cuniculi	0 / 6	PCR	0 / 6	
Giardia muris	0 / 6	PCR	0 / 6	
Pinworm - Aspiculuris tetraptera	0 / 6	PCR	0 / 6	
Pinworm - Syphacia obvelata	0 / 6	PCR	0 / 6	
Spironucleus muris	0 / 6	PCR	0 / 6	
	Most Recent		Past 12 Months	
Non-Pathogenic Protozoa	Pos / Tested	Method	Pos / Tested	
Chilomastix spp.	0 / 6	PCR	0 / 6	
Entamoeba muris	0 / 6	PCR	0 / 6	
Tritrichomonas muris	0 / 6	PCR	0 / 6	
	Most Recent		Past 12 Months	
Virus	Pos / Tested	Method	Pos / Tested	

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Adenovirus Type 1	0 / 6	PCR	0 / 6
Adenovirus Type 2	0 / 6	PCR	0 / 6
Lymphocytic Choriomeningitis Virus	0 / 6	RT-PCR	0 / 6
Minute Virus of Mice	0 / 6	PCR	0 / 6
Mouse Hepatitis Virus	0 / 6	RT-PCR	0 / 6
Mouse Kidney Parvovirus	0 / 6	PCR	0 / 6
Mouse Norovirus	0 / 6	RT-PCR	0 / 6
Mouse Parvovirus	0 / 6	PCR	0 / 6
Mouse Thymic Virus	0 / 6	PCR	0 / 6
Murine Cytomegalovirus	0 / 6	PCR	0 / 6
Pneumonia Virus of Mice	0 / 6	RT-PCR	0 / 6
Polyomavirus	0 / 6	PCR	0 / 6
Reovirus Type 3	0 / 6	RT-PCR	0 / 6
Rotavirus	0 / 6	RT-PCR	0 / 6
Sendai Virus	0 / 6	RT-PCR	0 / 6
Theiler's Encephalomyelitis Virus	0 / 6	RT-PCR	0 / 6

	Most Recent	Method	Past 12 Months
Supplementary Testing			
Corynebacterium mastitidis	6	PCR	0
Staphylococcus spp.	6	PCR	0

Location: 1003 / Strain ID: Dec 2024 - Jan 2025

Species: Mouse

	Most Recent		Past 12 Months
Bacteria and Fungi	Pos / Tested	Method	Pos / Tested
Corynebacterium bovis	0 / 6	PCR	0 / 1
Corynebacterium kutscheri	0 / 6	PCR	0 / 0
Helicobacter spp.	3 / 6	PCR	0 / 7
Klebsiella oxytoca	0 / 6	PCR	0 / 6
Klebsiella pneumoniae	0 / 6	PCR	0 / 6
Mycoplasma pulmonis	0 / 6	PCR	0 / 6
Pasteurella pneumotropica	4 / 6	PCR	4 / 7
Proteus mirabilis	0 / 6	PCR	1 / 6
Salmonella spp.	0 / 6	PCR	0 / 6
Staphylococcus aureus	0 / 6	PCR	0 / 6
Staphylococcus xylosum	6 / 6	PCR	3 / 4
Streptococcus pneumoniae (alpha-haem)	0 / 6	PCR	0 / 6
Streptococcus spp. (beta-haem) - Group A	0 / 6	PCR	0 / 6
Streptococcus spp. (beta-haem) - Group B	0 / 6	PCR	0 / 6
Streptococcus spp. (beta-haem) - Group C	0 / 6	PCR	0 / 6
Streptococcus spp. (beta-haem) - Group G	0 / 6	PCR	0 / 6

	Most Recent		Past 12 Months
Ectoparasite	Pos / Tested	Method	Pos / Tested
Fur mites - Myobia musculi	0 / 6	PCR	0 / 7
Fur mites - Myocoptes musculinus	0 / 6	PCR	0 / 7
Fur mites - Radfordia affinis	0 / 6	PCR	0 / 7

	Most Recent		Past 12 Months
Endoparasite	Pos / Tested	Method	Pos / Tested

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Cryptosporidium spp.	0 / 6	PCR	0 / 6
Encephalitozoon cuniculi	0 / 6	PCR	0 / 6
Giardia muris	0 / 6	PCR	0 / 7
Pinworm - Aspiculuris tetraptera	0 / 6	PCR	0 / 7
Pinworm - Syphacia obvelata	0 / 6	PCR	0 / 7
Spironucleus muris	0 / 6	PCR	0 / 7

	Most Recent		Past 12 Months	
Non-Pathogenic Protozoa	Pos / Tested	Method	Pos / Tested	
Chilomastix spp.	1 / 6	PCR	0 / 7	
Entamoeba muris	0 / 6	PCR	0 / 7	
Tritrichomonas muris	0 / 6	PCR	0 / 7	

	Most Recent		Past 12 Months	
Virus	Pos / Tested	Method	Pos / Tested	
Adenovirus Type 1	0 / 6	PCR	0 / 6	
Adenovirus Type 2	0 / 6	PCR	0 / 6	
Lymphocytic Choriomeningitis Virus	0 / 6	RT-PCR	0 / 6	
Minute Virus of Mice	0 / 6	PCR	0 / 6	
Mouse Hepatitis Virus	0 / 6	RT-PCR	0 / 6	
Mouse Kidney Parvovirus	0 / 6	PCR	0 / 6	
Mouse Norovirus	0 / 6	RT-PCR	0 / 6	
Mouse Parvovirus	0 / 6	PCR	0 / 6	
Mouse Thymic Virus	0 / 6	PCR	0 / 6	
Murine Cytomegalovirus	0 / 6	PCR	0 / 6	
Pneumonia Virus of Mice	0 / 6	RT-PCR	0 / 6	
Polyomavirus	0 / 6	PCR	0 / 6	
Reovirus Type 3	0 / 6	RT-PCR	0 / 6	
Rotavirus	0 / 6	RT-PCR	0 / 6	
Sendai Virus	0 / 6	RT-PCR	0 / 6	
Theiler's Encephalomyelitis Virus	0 / 6	RT-PCR	0 / 6	

	Most Recent		Past 12 Months	
Supplementary Testing		Method		
Corynebacterium mastitidis	6	PCR	0	
Staphylococcus spp.	6	PCR	0	

Location: 1004 / Strain ID: Dec 2024 - Jan 2025

Species: Mouse

	Most Recent		Past 12 Months	
Bacteria and Fungi	Pos / Tested	Method	Pos / Tested	
Corynebacterium bovis	0 / 6	PCR	0 / 0	
Corynebacterium kutscheri	0 / 6	PCR	0 / 0	
Helicobacter spp.	5 / 6	PCR	0 / 6	
Klebsiella oxytoca	3 / 6	PCR	4 / 6	
Klebsiella pneumoniae	0 / 6	PCR	0 / 6	
Mycoplasma pulmonis	0 / 6	PCR	0 / 6	
Pasteurella pneumotropica	3 / 6	PCR	3 / 6	
Proteus mirabilis	0 / 6	PCR	0 / 6	
Salmonella spp.	0 / 6	PCR	0 / 6	
Staphylococcus aureus	0 / 6	PCR	0 / 6	

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Staphylococcus xylosus	6 / 6	PCR	0 / 0
Streptococcus pneumoniae (alpha-haem)	0 / 6	PCR	0 / 6
Streptococcus spp. (beta-haem) - Group A	0 / 6	PCR	0 / 6
Streptococcus spp. (beta-haem) - Group B	0 / 6	PCR	0 / 6
Streptococcus spp. (beta-haem) - Group C	0 / 6	PCR	0 / 6
Streptococcus spp. (beta-haem) - Group G	0 / 6	PCR	0 / 6

	Most Recent		Past 12 Months	
Ectoparasite	Pos / Tested	Method	Pos / Tested	
Fur mites - Myobia musculi	0 / 6	PCR	0 / 6	
Fur mites - Myocoptes musculus	0 / 6	PCR	0 / 6	
Fur mites - Radfordia affinis	0 / 6	PCR	0 / 6	

	Most Recent		Past 12 Months	
Endoparasite	Pos / Tested	Method	Pos / Tested	
Cryptosporidium spp.	0 / 6	PCR	0 / 6	
Encephalitozoon cuniculi	0 / 6	PCR	0 / 6	
Giardia muris	0 / 6	PCR	0 / 6	
Pinworm - Aspiculuris tetraptera	0 / 6	PCR	0 / 6	
Pinworm - Syphacia obvelata	0 / 6	PCR	0 / 6	
Spironucleus muris	0 / 6	PCR	0 / 6	

	Most Recent		Past 12 Months	
Non-Pathogenic Protozoa	Pos / Tested	Method	Pos / Tested	
Chilomastix spp.	0 / 6	PCR	0 / 6	
Entamoeba muris	0 / 6	PCR	0 / 6	
Trichomonas muris	0 / 6	PCR	0 / 6	

	Most Recent		Past 12 Months	
Virus	Pos / Tested	Method	Pos / Tested	
Adenovirus Type 1	0 / 6	PCR	0 / 6	
Adenovirus Type 2	0 / 6	PCR	0 / 6	
Lymphocytic Choriomeningitis Virus	0 / 6	RT-PCR	0 / 6	
Minute Virus of Mice	0 / 6	PCR	0 / 6	
Mouse Hepatitis Virus	0 / 6	RT-PCR	0 / 6	
Mouse Kidney Parvovirus	0 / 6	PCR	0 / 6	
Mouse Norovirus	0 / 6	RT-PCR	0 / 6	
Mouse Parvovirus	0 / 6	PCR	0 / 6	
Mouse Thymic Virus	0 / 6	PCR	0 / 6	
Murine Cytomegalovirus	0 / 6	PCR	0 / 6	
Pneumonia Virus of Mice	0 / 6	RT-PCR	0 / 6	
Polyomavirus	0 / 6	PCR	0 / 6	
Reovirus Type 3	0 / 6	RT-PCR	0 / 6	
Rotavirus	0 / 6	RT-PCR	0 / 6	
Sendai Virus	0 / 6	RT-PCR	0 / 6	
Theiler's Encephalomyelitis Virus	0 / 6	RT-PCR	0 / 6	

	Most Recent		Past 12 Months	
Supplementary Testing		Method		
Corynebacterium mastitidis	6	PCR	0	
Staphylococcus spp.	6	PCR	0	

Location: 1005 / Strain ID: Dec 2024 - Jan 2025

Species: Mouse

	Most Recent			Past 12 Months	
Bacteria and Fungi	Pos	/ Tested	Method	Pos	/ Tested
Corynebacterium bovis	0	/ 6	PCR	0	/ 0
Corynebacterium kutscheri	0	/ 6	PCR	0	/ 0
Helicobacter spp.	5	/ 6	PCR	0	/ 6
Klebsiella oxytoca	0	/ 6	PCR	0	/ 6
Klebsiella pneumoniae	0	/ 6	PCR	0	/ 6
Mycoplasma pulmonis	0	/ 6	PCR	0	/ 6
Pasteurella pneumotropica	5	/ 6	PCR	5	/ 6
Proteus mirabilis	0	/ 6	PCR	0	/ 6
Salmonella spp.	0	/ 6	PCR	0	/ 6
Staphylococcus aureus	0	/ 6	PCR	0	/ 6
Staphylococcus xylosum	6	/ 6	PCR	0	/ 0
Streptococcus pneumoniae (alpha-haem)	0	/ 6	PCR	0	/ 6
Streptococcus spp. (beta-haem) - Group A	0	/ 6	PCR	0	/ 6
Streptococcus spp. (beta-haem) - Group B	0	/ 6	PCR	0	/ 6
Streptococcus spp. (beta-haem) - Group C	0	/ 6	PCR	0	/ 6
Streptococcus spp. (beta-haem) - Group G	0	/ 6	PCR	0	/ 6

	Most Recent			Past 12 Months	
Ectoparasite	Pos	/ Tested	Method	Pos	/ Tested
Fur mites - Myobia musculi	0	/ 6	PCR	0	/ 6
Fur mites - Myocoptes musculinus	0	/ 6	PCR	0	/ 6
Fur mites - Radfordia affinis	0	/ 6	PCR	0	/ 6

	Most Recent			Past 12 Months	
Endoparasite	Pos	/ Tested	Method	Pos	/ Tested
Cryptosporidium spp.	0	/ 6	PCR	0	/ 6
Encephalitozoon cuniculi	0	/ 6	PCR	0	/ 6
Giardia muris	0	/ 6	PCR	0	/ 6
Pinworm - Aspiculuris tetraptera	0	/ 6	PCR	0	/ 6
Pinworm - Syphacia obvelata	0	/ 6	PCR	0	/ 6
Spironucleus muris	0	/ 6	PCR	0	/ 6

	Most Recent			Past 12 Months	
Non-Pathogenic Protozoa	Pos	/ Tested	Method	Pos	/ Tested
Chilomastix spp.	1	/ 6	PCR	0	/ 6
Entamoeba muris	0	/ 6	PCR	0	/ 6
Trichomonas muris	0	/ 6	PCR	0	/ 6

	Most Recent			Past 12 Months	
Virus	Pos	/ Tested	Method	Pos	/ Tested
Adenovirus Type 1	0	/ 6	PCR	0	/ 6
Adenovirus Type 2	0	/ 6	PCR	0	/ 6
Lymphocytic Choriomeningitis Virus	0	/ 6	RT-PCR	0	/ 6
Minute Virus of Mice	0	/ 6	PCR	0	/ 6
Mouse Hepatitis Virus	0	/ 6	RT-PCR	0	/ 6
Mouse Kidney Parvovirus	0	/ 6	PCR	0	/ 6
Mouse Norovirus	0	/ 6	RT-PCR	0	/ 6
Mouse Parvovirus	0	/ 6	PCR	0	/ 6

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Mouse Thymic Virus	0 / 6	PCR	0 / 6
Murine Cytomegalovirus	0 / 6	PCR	0 / 6
Pneumonia Virus of Mice	0 / 6	RT-PCR	0 / 6
Polyomavirus	0 / 6	PCR	0 / 6
Reovirus Type 3	0 / 6	RT-PCR	0 / 6
Rotavirus	0 / 6	RT-PCR	0 / 6
Sendai Virus	0 / 6	RT-PCR	0 / 6
Theiler's Encephalomyelitis Virus	0 / 6	RT-PCR	0 / 6

	Most Recent	Method	Past 12 Months
Supplementary Testing			
Corynebacterium mastitidis	6	PCR	0
Staphylococcus spp.	6	PCR	0

Location: 1076 / Strain ID: Dec 2024 - Jan 2025

Species: Mouse

	Most Recent		Past 12 Months
Bacteria and Fungi	Pos / Tested	Method	Pos / Tested
Corynebacterium bovis	0 / 2	PCR	0 / 1
Corynebacterium kutscheri	0 / 2	PCR	0 / 0
Helicobacter spp.	0 / 2	PCR	0 / 2
Klebsiella oxytoca	0 / 2	PCR	0 / 2
Klebsiella pneumoniae	0 / 2	PCR	0 / 2
Mycoplasma pulmonis	0 / 2	PCR	0 / 2
Pasteurella pneumotropica	0 / 2	PCR	0 / 2
Proteus mirabilis	0 / 2	PCR	0 / 2
Salmonella spp.	0 / 2	PCR	0 / 2
Staphylococcus aureus	0 / 2	PCR	0 / 5
Staphylococcus xylosus	2 / 2	PCR	1 / 1
Streptococcus pneumoniae (alpha-haem)	0 / 2	PCR	0 / 2
Streptococcus spp. (beta-haem) - Group A	0 / 2	PCR	0 / 2
Streptococcus spp. (beta-haem) - Group B	0 / 2	PCR	0 / 2
Streptococcus spp. (beta-haem) - Group C	0 / 2	PCR	0 / 2
Streptococcus spp. (beta-haem) - Group G	0 / 2	PCR	0 / 2

	Most Recent		Past 12 Months
Ectoparasite	Pos / Tested	Method	Pos / Tested
Fur mites - Myobia musculi	0 / 2	PCR	0 / 2
Fur mites - Myocoptes musculinus	0 / 2	PCR	0 / 2
Fur mites - Radfordia affinis	0 / 2	PCR	0 / 2

	Most Recent		Past 12 Months
Endoparasite	Pos / Tested	Method	Pos / Tested
Cryptosporidium spp.	0 / 2	PCR	0 / 2
Encephalitozoon cuniculi	0 / 2	PCR	0 / 2
Giardia muris	0 / 2	PCR	0 / 2
Pinworm - Aspiculuris tetraptera	0 / 2	PCR	0 / 2
Pinworm - Syphacia obvelata	0 / 2	PCR	0 / 2
Spironucleus muris	0 / 2	PCR	0 / 2

	Most Recent		Past 12 Months
Non-Pathogenic Protozoa	Pos / Tested	Method	Pos / Tested

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Chilomastix spp.	0 / 2	PCR	0 / 2
Entamoeba muris	0 / 2	PCR	0 / 2
Tritrichomonas muris	0 / 2	PCR	0 / 2

Virus	Most Recent		Past 12 Months	
	Pos / Tested	Method	Pos / Tested	
Adenovirus Type 1	0 / 2	PCR	0 / 2	
Adenovirus Type 2	0 / 2	PCR	0 / 2	
Lymphocytic Choriomeningitis Virus	0 / 2	RT-PCR	0 / 2	
Minute Virus of Mice	0 / 2	PCR	0 / 2	
Mouse Hepatitis Virus	0 / 2	RT-PCR	0 / 2	
Mouse Kidney Parvovirus	0 / 2	PCR	0 / 2	
Mouse Norovirus	0 / 2	RT-PCR	0 / 2	
Mouse Parvovirus	0 / 2	PCR	0 / 2	
Mouse Thymic Virus	0 / 2	PCR	0 / 2	
Murine Cytomegalovirus	0 / 2	PCR	0 / 2	
Pneumonia Virus of Mice	0 / 2	RT-PCR	0 / 2	
Polyomavirus	0 / 2	PCR	0 / 2	
Reovirus Type 3	0 / 2	RT-PCR	0 / 2	
Rotavirus	0 / 2	RT-PCR	0 / 2	
Sendai Virus	0 / 2	RT-PCR	0 / 2	
Theiler's Encephalomyelitis Virus	0 / 2	RT-PCR	0 / 2	
Supplementary Testing	Most Recent		Past 12 Months	
		Method		
Corynebacterium mastitidis	2	PCR	0	
Staphylococcus spp.	2	PCR	0	

Location: 1077 / Strain ID: Dec 2024 - Jan 2025

Species: Mouse

Bacteria and Fungi	Most Recent		Past 12 Months	
	Pos / Tested	Method	Pos / Tested	
Corynebacterium bovis	0 / 6	PCR	0 / 0	
Corynebacterium kutscheri	0 / 6	PCR	0 / 0	
Helicobacter spp.	2 / 6	PCR	0 / 6	
Klebsiella oxytoca	0 / 6	PCR	1 / 6	
Klebsiella pneumoniae	0 / 6	PCR	0 / 6	
Mycoplasma pulmonis	0 / 6	PCR	0 / 6	
Pasteurella pneumotropica	3 / 6	PCR	1 / 6	
Proteus mirabilis	0 / 6	PCR	0 / 6	
Salmonella spp.	0 / 6	PCR	0 / 6	
Staphylococcus aureus	0 / 6	PCR	2 / 23	
Staphylococcus xylosum	6 / 6	PCR	0 / 0	
Streptococcus pneumoniae (alpha-haem)	0 / 6	PCR	0 / 6	
Streptococcus spp. (beta-haem) - Group A	0 / 6	PCR	0 / 6	
Streptococcus spp. (beta-haem) - Group B	0 / 6	PCR	0 / 6	
Streptococcus spp. (beta-haem) - Group C	0 / 6	PCR	0 / 6	
Streptococcus spp. (beta-haem) - Group G	0 / 6	PCR	0 / 6	
Ectoparasite	Most Recent		Past 12 Months	
	Pos / Tested	Method	Pos / Tested	

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Fur mites - Myobia musculi	0 / 6	PCR	0 / 6
Fur mites - Myocoptes musculinus	0 / 6	PCR	0 / 6
Fur mites - Radfordia affinis	0 / 6	PCR	0 / 6

Endoparasite	Most Recent		Past 12 Months	
	Pos / Tested	Method	Pos / Tested	
Cryptosporidium spp.	0 / 6	PCR	0 / 6	
Encephalitozoon cuniculi	0 / 6	PCR	0 / 6	
Giardia muris	0 / 6	PCR	0 / 6	
Pinworm - Aspiculuris tetraptera	0 / 6	PCR	0 / 6	
Pinworm - Syphacia obvelata	0 / 6	PCR	0 / 6	
Spironucleus muris	0 / 6	PCR	0 / 6	

Non-Pathogenic Protozoa	Most Recent		Past 12 Months	
	Pos / Tested	Method	Pos / Tested	
Chilomastix spp.	0 / 6	PCR	0 / 6	
Entamoeba muris	0 / 6	PCR	0 / 6	
Trichomonas muris	0 / 6	PCR	0 / 6	

Virus	Most Recent		Past 12 Months	
	Pos / Tested	Method	Pos / Tested	
Adenovirus Type 1	0 / 6	PCR	0 / 6	
Adenovirus Type 2	0 / 6	PCR	0 / 6	
Lymphocytic Choriomeningitis Virus	0 / 6	RT-PCR	0 / 6	
Minute Virus of Mice	0 / 6	PCR	0 / 6	
Mouse Hepatitis Virus	0 / 6	RT-PCR	0 / 6	
Mouse Kidney Parvovirus	0 / 6	PCR	0 / 6	
Mouse Norovirus	0 / 6	RT-PCR	0 / 6	
Mouse Parvovirus	0 / 6	PCR	0 / 6	
Mouse Thymic Virus	0 / 6	PCR	0 / 6	
Murine Cytomegalovirus	0 / 6	PCR	0 / 6	
Pneumonia Virus of Mice	0 / 6	RT-PCR	0 / 6	
Polyomavirus	0 / 6	PCR	0 / 6	
Reovirus Type 3	0 / 6	RT-PCR	0 / 6	
Rotavirus	0 / 6	RT-PCR	0 / 6	
Sendai Virus	0 / 6	RT-PCR	0 / 6	
Theiler's Encephalomyelitis Virus	0 / 6	RT-PCR	0 / 6	

Supplementary Testing	Most Recent		Past 12 Months	
		Method		
Corynebacterium mastitidis	6	PCR	0	
Staphylococcus spp.	6	PCR	0	

The data presented for the 'Past 12 Months' has been generated by filtering only for Pathogen and Location. Therefore it includes all strains tested in that location for the pathogen within the past 12 months. The past data excludes the most recent test results.

Comment:

Samples Refs. were:

Sample 01 Rack 1 AHU 18, Sample 02 Rack 2 AHU 17, Sample 03 Rack 3 AHU 16, Sample 04 Rack 4 AHU 40,
Sample 05 Rack 5 AHU 23, Sample 06 Rack 6 AHU 21, Sample 07 Rack 1 AHU 22, Sample 08 Rack 2 AHU 41,
Sample 09 Rack 3 AHU 24, Sample 10 Rack 4 AHU 25, Sample 11 Rack 5 AHU 26, Sample 12 Rack 6 AHU 27,
Sample 13 Rack 1 AHU 29, Sample 14 Rack 2 AHU 31, Sample 15 Rack 3 AHU 30, Sample 16 Rack 4 AHU 42,
Sample 17 Rack 5 AHU 32, Sample 18 Rack 6 AHU 33, Sample 19 Rack 1 AHU 34, Sample 20 Rack 2 AHU 35,
Sample 21 Rack 3 AHU 46, Sample 22 Rack 4 AHU 37, Sample 23 Rack 5 AHU 38, Sample 24 Rack 6 AHU 39,
Sample 25 Rack (DVC) DVC, Sample 26 Rack 1 AHU 49, Sample 27 Rack 1 AHU 10, Sample 28 Rack 2 AHU 11,
Sample 29 Rack 3 AHU 20, Sample 30 Rack 4 AHU 13, Sample 31 Rack 5 AHU 47, Sample 32 Rack 6 AHU 50.

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 *Helicobacter* spp. by PCR: Sample 02 Rack 2 AHU 17 (1002), Sample 03 Rack 3 AHU 16 (1002), Sample 04 Rack 4 AHU 40 (1002), Sample 05 Rack 5 AHU 23 (1002), Sample 06 Rack 6 AHU 21 (1002), Sample 09 Rack 3 AHU 24 (1003), Sample 11 Rack 5 AHU 26 (1003), Sample 12 Rack 6 AHU 27 (1003), Sample 13 Rack 1 AHU 29 (1004), Sample 15 Rack 3 AHU 30 (1004), Sample 16 Rack 4 AHU 42 (1004), Sample 17 Rack 5 AHU 32 (1004), Sample 18 Rack 6 AHU 33 (1004), Sample 19 Rack 1 AHU 34 (1005), Sample 20 Rack 2 AHU 35 (1005), Sample 22 Rack 4 AHU 37 (1005), Sample 23 Rack 5 AHU 38 (1005), Sample 24 Rack 6 AHU 39 (1005), Sample 31 Rack 5 AHU 47 (1077), Sample 32 Rack 6 AHU 50 (1077).

If you would like further Speciation of the *Helicobacter* species present; we can speciate for *Helicobacter bilis*, *Helicobacter hepaticus*, *Helicobacter typhlonius*, *Helicobacter ganmani*, *Helicobacter rodentium*, *Helicobacter mastomyrinus*.

Please contact us if you wish for further testing.

The following samples were POSITIVE for *Klebsiella oxytoca* by PCR: Sample 16 Rack 4 AHU 42 (1004), Sample 17 Rack 5 AHU 32 (1004), Sample 18 Rack 6 AHU 33 (1004).

Klebsiella oxytoca is ubiquitous in the environment and can be cultured from skin, mucus membranes, oropharynx and intestines of healthy animals and humans. It is transmitted by aerosol and contact.

Klebsiella oxytoca is an opportunistic pathogen associated with suppurative otitis media, urogenital tract infections (UTI), and pneumonia particularly in immunodeficient, diabetic or antibiotic treated animals.

The following samples were POSITIVE for *Pasteurella pneumotropica* by PCR: Sample 07 Rack 1 AHU 22 (1003), Sample 08 Rack 2 AHU 41 (1003), Sample 10 Rack 4 AHU 25 (1003), Sample 11 Rack 5 AHU 26 (1003), Sample 13 Rack 1 AHU 29 (1004), Sample 16 Rack 4 AHU 42 (1004), Sample 17 Rack 5 AHU 32 (1004), Sample 19 Rack 1 AHU 34 (1005), Sample 20 Rack 2 AHU 35 (1005), Sample 21 Rack 3 AHU 46 (1005), Sample 22 Rack 4 AHU 37 (1005), Sample 23 Rack 5 AHU 38 (1005), Sample 29 Rack 3 AHU 20 (1077), Sample 30 Rack 4 AHU 13 (1077), Sample 32 Rack 6 AHU 50 (1077).

Rodentibacter heylii / *pneumotropicus* (previously *Pasteurella pneumotropica*) is a frequently occurring opportunistic pathogen in rodent colonies. It has the potential to cause pathology especially in immune-compromised or stressed individuals.

The following samples were POSITIVE for *Staphylococcus* spp. by PCR: Sample 01 Rack 1 AHU 18 (1002), Sample 02 Rack 2 AHU 17 (1002), Sample 03 Rack 3 AHU 16 (1002), Sample 04 Rack 4 AHU 40 (1002), Sample 05 Rack 5 AHU 23 (1002), Sample 06 Rack 6 AHU 21 (1002), Sample 07 Rack 1 AHU 22 (1003), Sample 08 Rack 2 AHU 41 (1003), Sample 09 Rack 3 AHU 24 (1003), Sample 10 Rack 4 AHU 25 (1003), Sample 11 Rack 5 AHU 26 (1003), Sample 12 Rack 6 AHU 27 (1003), Sample 13 Rack 1 AHU 29 (1004), Sample 14 Rack 2 AHU 31 (1004), Sample 15 Rack 3 AHU 30 (1004), Sample 16 Rack 4 AHU 42 (1004), Sample 17 Rack 5 AHU 32 (1004), Sample 18 Rack 6 AHU 33 (1004), Sample 19 Rack 1 AHU 34 (1005), Sample 20 Rack 2 AHU 35 (1005), Sample 21 Rack 3 AHU 46 (1005), Sample 22 Rack 4 AHU 37 (1005), Sample 23 Rack 5 AHU 38 (1005), Sample 24 Rack 6 AHU 39 (1005), Sample 25 Rack (DVC) DVC (1076), Sample 27 Rack 1 AHU 10 (1077), Sample 28 Rack 2 AHU 11 (1077), Sample 29 Rack 3 AHU 20 (1077), Sample 30 Rack 4 AHU 13 (1077), Sample 31 Rack 5 AHU 47 (1077), Sample 32 Rack 6 AHU 50 (1077).

The following samples were POSITIVE for *Staphylococcus xylosus* by PCR: Sample 01 Rack 1 AHU 18 (1002), Sample 02 Rack 2 AHU 17 (1002), Sample 04 Rack 4 AHU 40 (1002), Sample 05 Rack 5 AHU 23 (1002), Sample 06 Rack 6 AHU 21 (1002), Sample 07 Rack 1 AHU 22 (1003), Sample 08 Rack 2 AHU 41 (1003), Sample 09 Rack 3 AHU 24 (1003), Sample 10 Rack 4 AHU 25 (1003), Sample 11 Rack 5 AHU 26 (1003), Sample 12 Rack 6 AHU 27 (1003), Sample 13 Rack 1 AHU 29 (1004), Sample 14 Rack 2 AHU 31 (1004), Sample 15 Rack 3 AHU 30 (1004), Sample 16 Rack 4 AHU 42 (1004), Sample 17 Rack 5 AHU 32 (1004), Sample 18 Rack 6 AHU 33 (1004), Sample 19 Rack 1 AHU 34 (1005), Sample 20 Rack 2 AHU 35 (1005), Sample 21 Rack 3 AHU 46 (1005), Sample 22 Rack 4 AHU 37 (1005), Sample 23 Rack 5 AHU 38 (1005), Sample 24 Rack 6 AHU 39 (1005), Sample 25 Rack (DVC) DVC (1076), Sample 26 Rack 1 AHU 49 (1076), Sample 27 Rack 1 AHU 10 (1077), Sample 28 Rack 2 AHU 11 (1077), Sample 29 Rack 3 AHU 20 (1077), Sample 30 Rack 4 AHU 13 (1077), Sample 31 Rack 5 AHU 47 (1077), Sample 32 Rack 6 AHU 50 (1077).

Staphylococcus xylosus may be a normal skin flora, however it has been associated with severe dermatitis in mice. Spontaneous *Staphylococcus xylosus* Infection in Mice Deficient in NADPH Oxidase and Comparison with Other

Laboratory Mouse Strains. Gozalo AS et al. JAALAS 2010, 49:4; 480-486.

The following samples were POSITIVE for Chilomastix spp. by PCR: Sample 10 Rack 4 AHU 25 (1003), Sample 20 Rack 2 AHU 35 (1005).

Chilomastix sp. are considered non-pathogenic enteric protozoa and are frequently found in the intestinal contents of normal rodents.



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



Peony Fung
Molecular Testing

NB: Air handling units and racks positive for *Helicobacter* in EAD testing submission 25A034 were retested in submission 25/A091 (bedding and cage swabs) and through GRS (faecal samples) - follow up testing returned negative results for *Helicobacter* species and *Helicobacter rodentium*.

Submitter: Uni. of QLD - Translational Research
Institute

37 Kent Street

WOOLLOONGABBA, QLD 4102 Australia

Contact: AF Breeding Requests

Submission No: 25/A091

Your ref: *Helicobacter*
Investigation

Date received: 29 January 2025

Date of issue: 5 February 2025

Location: 1002 / Strain ID: Rack 2 AHU #17 Rack 3 AHU #16 Rack 5 AHU #23

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
<i>Helicobacter rodentium</i>	0 / 3	Swab - FLOQ Environmental (PCR)	PCR	0 / 0
<i>Helicobacter</i> spp.	0 / 3	Swab - FLOQ Environmental (PCR)	PCR	5 / 19

Location: 1002 / Strain ID: Rack 6 AHU #21

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
<i>Helicobacter rodentium</i>	0 / 1	Swab - FLOQ Environmental (PCR)	PCR	0 / 0
<i>Helicobacter</i> spp.	0 / 1	Swab - FLOQ Environmental (PCR)	PCR	5 / 19

Location: 1003 / Strain ID: Rack 5 AHU #26

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
<i>Helicobacter rodentium</i>	0 / 3	Swab - FLOQ Environmental (PCR)	PCR	0 / 0
<i>Helicobacter</i> spp.	0 / 3	Swab - FLOQ Environmental (PCR)	PCR	3 / 19

Location: 1004 / Strain ID: Rack 4 AHU #42 Rack 5 AHU #32

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
<i>Helicobacter rodentium</i>	0 / 4	Swab - FLOQ Environmental (PCR)	PCR	0 / 0
<i>Helicobacter</i> spp.	0 / 4	Swab - FLOQ Environmental (PCR)	PCR	5 / 18

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Location: 1005 / Strain ID: Rack 2 AHU #35

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
Helicobacter rodentium	0 / 2	Swab - FLOQ Environmental (PCR)	PCR	0 / 0
Helicobacter spp.	0 / 2	Swab - FLOQ Environmental (PCR)	PCR	5 / 18

Location: 1077 / Strain ID: Rack 5 AHU #47

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
Helicobacter rodentium	0 / 4	Swab - FLOQ Environmental (PCR)	PCR	0 / 0
Helicobacter spp.	0 / 4	Swab - FLOQ Environmental (PCR)	PCR	2 / 18

Location: 1077 / Strain ID: Rack 6 AHU #50

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
Helicobacter rodentium	0 / 1	Swab - FLOQ Environmental (PCR)	PCR	0 / 0
Helicobacter spp.	0 / 1	Swab - FLOQ Environmental (PCR)	PCR	2 / 18

Location: Unknown / Strain ID: Breeding Vaccums

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
Helicobacter rodentium	0 / 2	Swab - FLOQ Environmental (PCR)	PCR	0 / 0
Helicobacter spp.	0 / 2	Swab - FLOQ Environmental (PCR)	PCR	0 / 0

Location: Unknown / Strain ID: Breeding Vacuums

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
Helicobacter rodentium	0 / 1	Swab - FLOQ Environmental (PCR)	PCR	0 / 0
Helicobacter spp.	0 / 1	Swab - FLOQ Environmental (PCR)	PCR	0 / 0

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Location: Unknown / Strain ID: Experimental Vacuum

Species: Mouse

Bacteria and Fungi	Most Recent			Past 18 Months
	Pos / Tested	Sample Type	Method	Pos / Tested
Helicobacter rodentium	0 / 1	Swab - FLOQ	PCR	0 / 0
		Environmental (PCR)		
Helicobacter spp.	0 / 1	Swab - FLOQ	PCR	0 / 0
		Environmental (PCR)		

The data presented for the 'Past 18 Months' has been generated by filtering only for Pathogen and Location. Therefore it includes all sample types and strains tested in that location for the pathogen within the past 18 months. The past data excludes the most recent test results.

Comment:

Samples Refs. were:

Sample 01, Sample 02, Sample 03, Sample 04, Sample 05, Sample 06, Sample 07, Sample 08, Sample 09, Sample 10, Sample 11, Sample 12, Sample 13, Sample 14, Sample 15, Sample 16, Sample 17, Sample 18, Sample 19, Sample 20, Sample 21, Sample 22.

All samples submitted tested negative by PCR/RT-PCR for the agents as indicated above.

Sample 11 (1004 - Helicobacter spp.), Sample 18 (1077 - Helicobacter spp.), Sample 21 (Unknown - Helicobacter spp.):

These samples showed a weak/low-copy Helicobacter spp. signal by PCR.

The signal intensity comparison is as follows:

Sample 21 (Location Unknown: Breeding Vacuums) > Sample 18 (Location 1077: Rack 6, AHU #50) > Sample 11 (Location 1004: Rack 4, AHU #42; Rack 5, AHU #32).

Since these samples were collected from swabbing vacuum/cage/sentinel bedding, the weak signal could be due to environmental contamination rather than direct animal shedding. To further rule out this factor, we recommend submitting additional fecal samples directly from the related mouse colony for re-testing.

Further testing on the recommended follow-up samples, conducted by Genetic Research Services (GRS) at the University of Queensland Biological Resources, returned negative results.

Therefore, this submission will align with the follow-up results, concluding that the initial weak signals were non-significant for animal infection and should be considered negative.

Lorna Rasmussen

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

Peony Fung

Peony Fung
Molecular Testing

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GRS Faecal testing from representative colony animals from Helicobacter positive racks - Sampled 31 Jan 2025

#	ROOM	RACK	TEST 1 REQUIRED	Helicobacter spp. Status
1	1004	5A	Helicobacter spp. PCR test	Negative
2	1004	5A	Helicobacter spp. PCR test	Negative
3	1004	5A	Helicobacter spp. PCR test	Negative
4	1004	5	Helicobacter spp. PCR test	Negative
5	1004	5B	Helicobacter spp. PCR test	Negative
6	1004	5B	Helicobacter spp. PCR test	Negative
7	1004	5B	Helicobacter spp. PCR test	Negative
8	1004	5B	Helicobacter spp. PCR test	Negative
9	1004	4A	Helicobacter spp. PCR test	Negative
10	1004	4A	Helicobacter spp. PCR test	Negative
11	1004	4A	Helicobacter spp. PCR test	Negative
12	1004	4A	Helicobacter spp. PCR test	Negative
13	1004	4A	Helicobacter spp. PCR test	Negative
14	1004	4A	Helicobacter spp. PCR test	Negative
15	1004	4A	Helicobacter spp. PCR test	Negative
16	1004	4A	Helicobacter spp. PCR test	Negative
17	1004	4B	Helicobacter spp. PCR test	Negative
18	1004	4	Helicobacter spp. PCR test	Negative
6-1	1077	6	Helicobacter spp. PCR test	Negative
6-2	1077	6	Helicobacter spp. PCR test	Negative
6-3	1077	6	Helicobacter spp. PCR test	Negative
6-4	1077	6	Helicobacter spp. PCR test	Negative
6-5	1077	6	Helicobacter spp. PCR test	Negative
6-6	1077	6	Helicobacter spp. PCR test	Negative
6-7	1077	6	Helicobacter spp. PCR test	Negative
Fraser COL7909	1005	BB5 + BB6	Helicobacter spp. PCR test	Negative