

Australian BioResources
Final Health Screening Summary Report- Client Strains



Location- Standard barrier level 2

Client Strains - Biobubbles 3, 4, 9

	Aug-23	Nov-23	Feb-24	May-24	Past 18 mths	Sample System	Test Method
Viruses	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Mouse Parvovirus	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Minute Virus of Mice	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Mouse Rotavirus	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Theiler's Encephalomyelitis virus	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Mouse Norovirus	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Pneumonia Virus of Mice	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Adenovirus Type 1&2	NT	NT	0/33	NT	0/77	SBS	Serology
Ectromelia	NT	NT	0/33	NT	0/77	SBS	Serology
Hantavirus	NT	NT	0/33	NT	0/77	SBS	Serology
LCMV	NT	NT	0/33	NT	0/77	SBS	Serology
Murine Cytomegalovirus	NT	NT	0/33	NT	0/77	SBS	Serology
Polyoma Virus	NT	NT	0/33	NT	0/77	SBS	Serology
Reovirus Type 3	NT	NT	0/33	NT	0/77	SBS	Serology
Sendai Virus	NT	NT	0/33	NT	0/77	SBS	Serology
K Virus	NT	NT	0/33	NT	0/77	SBS	Serology
MKPV	NT	NT	NT	NT	NT		
Bacteria							
Mycoplasma pulmonis	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Helicobacter spp	0/44	0/33	0/33	0/33	0/231	SBS/CM	PCR
CAR Bacillus	NT	NT	0/33	NT	0/77	SBS/CM	Serology
Clostridium piliforme	NT	NT	0/33	NT	0/77	SBS/CM	Serology
Bordetella bronchiseptica	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Citrobacter rodentium	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Corynebacterium kutscheri	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Klebsiella oxytoca	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Klebsiella pneumoniae	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Pasteurella pneumotropica	37/6	*NT	0/33	*NT	37/39	SBS/CM	Culture
Other Pasteurellaceae	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Pseudomonas aeruginosa	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Proteus mirabilis	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Salmonella spp.	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Staphylococcus aureus	0/44	NT	0/33	0/42	0/159	EAD/CM	Culture & PCR
Streptococcus pneumoniae	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Beta-haemolytic Streptococcus	0/44	NT	0/33	NT	0/121	SBS/CM	Culture
Parasites							
Fur mites	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Syphacia spp	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Aspicularis tetraptera	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Giardia muris	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Spiroplasma muris	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Cryptosporidium	0/44	0/33	0/33	0/33	0/231	EAD	PCR
Encephalitozoon cuniculi	NT	NT	0/33	NT	0/77	SBS	Serology
Testing laboratory	Compath & GMG	Compath & GMG	Compath & GMG	Compath & GMG			
Lab report nos.	Screen 1600	Screen 1658	Screen 1740	Screen 1788	Screens 1794 & 1865		

Note - In May 2024 additional screening for Saureus was conducted

Compath & Screens 1794 & 1865

Sampling System Used

1. Soiled Bedding Sentinel (SBS)

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2. Exhaust Air Duct (EAD)
 3. Colony mice (CM)
**Notes-Historically Standard barrier level 2 holdings are positive for P.pneumotropica so PCR testing for this bacteria is not conducted. Testing by culture of colony mice in Aug 23 demonstrates prevalence*

Location- Standard barrier level 1

Client Strains - Biobubbles 5 & 7

						Sample	Test Method
	Aug-23	Nov-23	Feb-24	May-24	Past 18mths	System	
Viruses	pos/neg	pos/neg	pos/neg	pos-neg	pos/neg		
Mouse Hepatitis Virus	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Mouse Parvovirus	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Minute Virus of Mice	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Mouse Rotavirus	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Theiler's Encephalomyelitis virus	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Mouse Norovirus	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Pneumonia Virus of Mice	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Adenovirus Type 1&2	NT	NT	0/19	NT	0/39	SBS	Serology
Ectromelia	NT	NT	0/19	NT	0/39	SBS	Serology
Hantavirus	NT	NT	0/19	NT	0/39	SBS	Serology
LCMV	NT	NT	0/19	NT	0/39	SBS	Serology
Murine Cytomegalovirus	NT	NT	0/19	NT	0/39	SBS	Serology
Polyoma Virus	NT	NT	0/19	NT	0/39	SBS	Serology
Reovirus Type 3	NT	NT	0/19	NT	0/39	SBS	Serology
Sendai Virus	NT	NT	0/19	NT	0/39	SBS	Serology
K Virus	NT	NT	0/19	NT	0/39	SBS	Serology
MKPV	NT	NT	0/19	NT	0/39	SBS/CM	PCR
Bacteria							
Mycoplasma pulmonis	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Helicobacter spp	0/19	0/19	0/19	0/19	0/126	SBS/CM	PCR
CAR Bacillus	NT	NT	0/19	NT	0/39	SBS	Serology
Clostridium piliforme	NT	NT	0/19	NT	0/39	SBS	Serology
Bordetella bronchiseptica	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Citrobacter rodentium	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Corynebacterium bovis	0/19	NT	0/19	NT	0/58	EAD	PCR
Corynebacterium kutscheri	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Klebsiella oxytoca	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Klebsiella pneumoniae	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Pasteurella pneumotropica	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Other Pasteurellaceae	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Pseudomonas aeruginosa	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Proteus mirabilis	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Salmonella spp	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Staphylococcus aureus	0/19	NT	0/19	0/25	0/82	EAD/CM	Culture & PCR
Streptococcus pneumoniae	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Beta-hemolytic Streptococcus	0/19	NT	0/19	NT	0/58	SBS/CM	Culture
Parasites							
Fur mites	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Syphacia spp	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Aspicularis tetraptera	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Giardia muris	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Spironucleus muris	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Cryptosporidium	0/19	0/19	0/19	0/19	0/126	EAD	PCR
Encephalitozoon cuniculi	NT	NT	0/19	NT	0/39	SBS	Serology
Fungi							
Pneumocystis murina	0/19	NT	0/19	NT	0/56	SBS/EAD	PCR
Testing laboratory	Compath & GMG	Compath & GMG	Compath & GMG	Compath & GMG			
Lab report nos.	Screen 1601	Screen 1657	Screen 1739	Screen 1789			
Note - In May 2024 additional screening for Saureus was conducted			Compath & Cerberus	Screens 1794 & 1878			

The results shown above are a compilation of results from specialist laboratories- Compath and GMG (Garvan Molecular Genetics). Compath is accredited under ISO 9001 & GMG is NA1

Sampling System Used

- Soiled Bedding Sentinel (SBS)
- Exhaust Air Duct (EAD)
- Colony mice (CM)

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Cage exhaust (CE)

Location- Maximum barrier

Client strains - Biobubble 1 & Bubble 6.

	Aug-23	Nov-23	Feb-24	May-24	Past 18 mths	Sample System	Test method
Viruses	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Mouse Parvovirus	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Minute Virus of Mice	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Mouse Rotavirus	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Theiler's Encephalomyelitis virus	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Mouse Norovirus	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Pneumonia Virus of Mice	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Adenovirus Type 1&2	NT	NT	0/22	NT	0/44	SBS	Serology
Ectromelia	NT	NT	0/22	NT	0/44	SBS	Serology
Hantavirus	NT	NT	0/22	NT	0/44	SBS	Serology
LCMV	NT	NT	0/22	NT	0/44	SBS	Serology
Murine Cytomegalovirus	NT	NT	0/22	NT	0/44	SBS	Serology
Polyoma Virus	NT	NT	0/22	NT	0/44	SBS	Serology
Reovirus Type 3	NT	NT	0/22	NT	0/44	SBS	Serology
Sendai Virus	NT	NT	0/22	NT	0/44	SBS	Serology
K Virus	NT	NT	0/22	NT	0/44	SBS	Serology
MKPV	NT	NT	0/22	NT	0/44	SBS/CM	PCR
Bacteria							
Mycoplasma pulmonis	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Helicobacter spp	0/22	0/22	0/22	0/22	0/132	EAD	PCR
CAR Bacillus	NT	NT	0/22	NT	0/44	SBS	Serology
Clostridium piliforme	NT	NT	0/22	NT	0/44	SBS	Serology
Bordetella bronchiseptica	0/22	NT	0/22	NT	0/66	SBS	Culture
Citrobacter rodentium	0/22	NT	0/22	NT	0/66	SBS	Culture
Corynebacterium bovis	0/22	NT	0/22	NT	0/66	EAD	PCR
Corynebacterium kutscheri	0/22	NT	0/22	NT	0/66	SBS	Culture
Klebsiella oxytoca	0/22	NT	0/22	NT	0/66	SBS	Culture
Klebsiella pneumoniae	0/22	NT	0/22	NT	0/66	SBS	Culture
Pasteurella pneumotropica	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Other Pasteurellaceae	0/22	NT	0/22	NT	0/66	SBS	Culture
Pseudomonas aeruginosa	0/22	NT	0/22	NT	0/66	SBS	Culture
Proteus mirabilis	0/22	NT	0/22	NT	0/66	SBS	Culture
Salmonella spp	0/22	NT	0/22	NT	0/66	SBS	Culture
Staphylococcus aureus	0/22	NT	0/22	12/126	12/170	SBS, EAD, CM	Culture & PCR
Streptococcus pneumoniae	0/22	NT	0/22	NT	0/66	SBS	Culture
Beta-hemolytic Streptococcus	0/22	NT	0/22	NT	0/66	SBS	Culture
Parasites							
Fur mites	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Syphacia spp	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Aspicularis tetraptera	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Giardia muris	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Spironucleus muris	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Cryptosporidium	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Encephalitozoon cuniculi	NT	NT	0/22	NT	0/44	SBS	Serology
Fungi							
Pneumocystis murina	0/22	NT	0/22	NT	0/46	SBS(nude)/EAD	PCR
Testing laboratory	Compath & GMG	Compath & GMG	Compath & GMG	Compath & GMG			
Lab report nos.	Screen 1597	Screen 1659	Screen 1740	Screen 1790			
				Screens 1794, 1809, 1810, 1842, 1848, 1849, 1851, 1864, 1867, 1869			
			Compath & Cerberus				

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Sampling System Used

- Soiled Bedding Sentinel (SBS)
- Exhaust Air Duct (EAD)
- Colony mice (CM)
- Cage exhausts (CE)