

Australian BioResources
Final Health Screening Summary Report- Client Strains



Location- Standard barrier level 2

Client Strains - Biobubbles 3, 4, 9

	Feb-24	May-24	Aug-24	Nov-24	Past 18 mths	Sample System	Test Method
Viruses	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/33	0/33	0/33	0/33	0/198	EAD	PCR
Mouse Parvovirus	0/33	0/33	0/33	0/33	0/198	EAD	PCR
Minute Virus of Mice	0/33	0/33	0/33	0/33	0/198	EAD	PCR
Mouse Rotavirus	0/33	0/33	0/33	0/33	0/198	EAD	PCR
Theiler`s Encephalomyelitis virus	0/33	0/33	0/33	0/33	0/198	EAD	PCR
Mouse Norovirus	0/33	0/33	0/33	0/33	0/198	EAD	PCR
Pneumonia Virus of Mice	0/33	0/33	0/33	NT	0/165	EAD	PCR
Adenovirus Type 1&2	0/33	NT	NT	NT	0/66	SBS	Serology
Ectromelia	0/33	NT	NT	NT	0/66	SBS	Serology
Hantavirus	0/33	NT	NT	NT	0/66	SBS	Serology
LCMV	0/33	NT	NT	NT	0/66	SBS	Serology
Murine Cytomegalovirus	0/33	NT	NT	NT	0/66	SBS	Serology
Polyoma Virus	0/33	NT	NT	NT	0/66	SBS	Serology
Reovirus Type 3	0/33	NT	NT	NT	0/66	SBS	Serology
Sendai Virus	0/33	NT	NT	NT	0/66	SBS	Serology
K Virus	0/33	NT	NT	NT	0/66	SBS	Serology
MKPV	NT	NT	NT	NT	NT		

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Bacteria

Mycoplasma pulmonis	0/33	0/33	0/33	NT	0/165	EAD	PCR
Helicobacter spp	0/33	0/33	0/33	0/33	0/198	SBS & CM	PCR
CAR Bacillus	0/33	NT	NT	NT	0/66	SBS	Serology
Clostridium piliforme	0/33	NT	NT	NT	0/66	SBS	Serology
Bordetella bronchiseptica	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Citrobacter rodentium	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Corynebacterium kutscheri	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Klebsiella oxytoca	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Klebsiella pneumoniae	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Pasteurella pneumotropica	0/33	NT	20/13	NT	25/51	SBS & CM	Culture
Other Pasteurellaceae	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Pseudomonas aeruginosa	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Proteus mirabilis	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Salmonella spp.	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Staphylococcus aureus	0/33	0/42	*5/61	*1/33	6/202	EAD & CM	PCR & Culture
Streptococcus pneumoniae	0/33	NT	0/33	NT	0/99	SBS & CM	Culture
Beta-haemolytic Streptococcus	0/33	NT	0/33	NT	0/99	SBS & CM	Culture

Parasites

Fur mites	0/33	0/33	0/33	0/33	0/198	EAD	PCR
Syphacia spp	0/33	0/33	0/33	0/33	0/198	EAD	PCR
Aspicularis tetraptera	0/33	0/33	0/33	0/33	0/198	EAD	PCR
Giardia muris	0/33	0/33	0/33	NT	0/165	EAD	PCR
Spirotrichomonas muris	0/33	0/33	0/33	NT	0/165	EAD	PCR
Cryptosporidium	0/33	0/33	0/33	NT	0.165	EAD	PCR
Encephalitozoon cuniculi	0/33	NT	NT	NT	0/66	SBS	Serology

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Testing laboratory	Compath & GMG	Compath & GMG	Compath & GMG	Compath & GMG
Lab report nos.	Screen 1740	Screen 1788	Screen 1934	Screen 2087

Notes-

1. In May 2024 additional screening for S.aureus was conducted
2. August results are a combination of EAD & direct screening of colony mice. Lines mated to BL6 are being closely screened for S.aureus & +ve cages culled
3. Nov results are from EAD testing. A test/ cull strategy is still underway for S.aureus in client strain holdings.

Sampling System Used

1. Soiled Bedding Sentinel (SBS)
2. Exhaust Air Duct (EAD)
3. Colony mice (CM)

Location- Standard barrier level 1

Client Strains - Biobubbles 5 & 7

	Feb-24	May-24	Aug-24	Nov-24	Past 18mths	Sample System	Test Method
Viruses	pos/neg	pos-neg	pos-neg	pos-neg	pos/neg		
Mouse Hepatitis Virus	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Mouse Parvovirus	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Minute Virus of Mice	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Mouse Rotavirus	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Theiler`s Encephalomyelitis virus	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Mouse Norovirus	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Pneumonia Virus of Mice	0/19	0/19	0/18	0/18	0/112	EAD	PCR

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Adenovirus Type 1&2	0/19	NT	NT	NT	0/19	SBS	Serology
Ectromelia	0/19	NT	NT	NT	0/19	SBS	Serology
Hantavirus	0/19	NT	NT	NT	0/19	SBS	Serology
LCMV	0/19	NT	NT	NT	0/19	SBS	Serology
Murine Cytomegalovirus	0/19	NT	NT	NT	0/19	SBS	Serology
Polyoma Virus	0/19	NT	NT	NT	0/19	SBS	Serology
Reovirus Type 3	0/19	NT	NT	NT	0/19	SBS	Serology
Sendai Virus	0/19	NT	NT	NT	0/19	SBS	Serology
K Virus	0/19	NT	NT	NT	0/19	SBS	Serology
MKPV	0/19	NT	NT	NT	0/19	EAD	PCR

Bacteria

Mycoplasma pulmonis	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Helicobacter spp	0/19	0/19	0/18	0/18	0/112	SBS & CM	PCR
CAR Bacillus	0/19	NT	NT	NT	0/19	SBS	Serology
Clostridium piliforme	0/19	NT	NT	NT	0/19	SBS	Serology
Bordetella bronchiseptica	0/19	NT	0/18	NT	0/56	SBS & CM	Culture
Citrobacter rodentium	0/19	NT	0/18	NT	0/56	SBS & CM	Culture
Corynebacterium bovis	0/19	NT	0/18	NT	0/56	EAD	PCR
Corynebacterium kutscheri	0/19	NT	0/18	NT	0/56	SBS & CM	Culture
Klebsiella oxytoca	0/19	NT	0/18	NT	0/56	SBS & CM	Culture
Klebsiella pneumoniae	0/19	NT	0/18	NT	0/56	SBS & CM	Culture
Pasteurella pneumotropica	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Other Pasteurellaceae	0/19	NT	4/14	NT	4/50	SBS & CM	Culture
Pseudomonas aeruginosa	0/19	NT	0/18	NT	0/56	SBS & CM	Culture
Proteus mirabilis	0/19	NT	0/18	NT	0/56	SBS & CM	Culture
Salmonella spp	0/19	NT	0/18	NT	0/56	SBS & CM	Culture

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Staphylococcus aureus	0/19	0/25	*1/35	0/18	1/116	EAD&CM	Culture & PCR
Streptococcus pneumoniae	0/19	NT	0/18	NT	0/56	SBS & CM	Culture
Beta-haemolytic Streptococcus	0/19	NT	0/18	NT	0/56	SBS & CM	Culture
Parasites							
Fur mites	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Syphacia spp	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Aspicularis tetraptera	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Giardia muris	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Spirotrunculus muris	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Cryptosporidium	0/19	0/19	0/18	0/18	0/112	EAD	PCR
Encephalitozoon cuniculi	0/19	NT	NT	NT	0/19	SBS	Serology
Fungi							
Pneumocystis murina	0/19	NT	0/18	NT	0/54	EAD	PCR

Testing laboratory	Compath & GMG	Compath & GMG	Compath & GMG	Compath & GMG
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			Screens 1933 & 1964	
Lab report nos.	Screen 1739	Screen 1789		Screen 2088

Notes-

1. In May 2024 additional screening for S.aureus was conducted	Compath & Cerberus	Screens 1794 & 1878
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2. August results are a combination of EAD & direct screening of colony mice. Lines mated to BL6 are being closely screened for S.aureus & +ve cages culled

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Sampling System Used

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

Location- Maximum barrier

Client strains - Biobubble 1 & Bubble 6

	Feb-24	May-24	Aug-24	Nov-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	0/21	0/21	0/130	EAD	PCR
Mouse Parvovirus	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Minute Virus of Mice	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Mouse Rotavirus	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Theiler`s Encephalomyelitis virus	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Mouse Norovirus	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Pneumonia Virus of Mice	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Adenovirus Type 1&2	0/22	NT	NT	NT	0/22	SBS	Serology
Ectromelia	0/22	NT	NT	NT	0/22	SBS	Serology
Hantavirus	0/22	NT	NT	NT	0/22	SBS	Serology
LCMV	0/22	NT	NT	NT	0/22	SBS	Serology
Murine Cytomegalovirus	0/22	NT	NT	NT	0/22	SBS	Serology
Polyoma Virus	0/22	NT	NT	NT	0/22	SBS	Serology

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Reovirus Type 3	0/22	NT	NT	NT	0/22	SBS	Serology
Sendai Virus	0/22	NT	NT	NT	0/22	SBS	Serology
K Virus	0/22	NT	NT	NT	0/22	SBS	Serology
MKPV	0/22	NT	NT	NT	0/22	EAD	PCR
Bacteria							
Mycoplasma pulmonis	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Helicobacter spp	0/22	0/22	0/21	0/21	0/130	SBS&CM	PCR
CAR Bacillus	0/22	NT	NT	NT	0/22	SBS	Serology
Clostridium piliforme	0/22	NT	NT	NT	0/22	SBS	Serology
Bordetella bronchiseptica	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Citrobacter rodentium	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Corynebacterium bovis	0/22	NT	0/21	NT	0/65	EAD	PCR
Corynebacterium kutscheri	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Klebsiella oxytoca	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Klebsiella pneumoniae	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Pasteurella pneumotropica	0/22	0/22	0/21	0/21	0/132	EAD	PCR
Other Pasteurellaceae	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Pseudomonas aeruginosa	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Proteus mirabilis	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Salmonella spp	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Staphylococcus aureus	0/22	12/126	10/32	2/19	12/170	SBS, EAD, CM	Culture & PCR
Streptococcus pneumoniae	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Beta-haemolytic Streptococcus	0/22	NT	0/21	NT	0/65	SBS&CM	Culture
Parasites							
Fur mites	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Syphacia spp	0/22	0/22	0/21	0/21	0/130	EAD	PCR

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Aspicularis tetraptera	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Giardia muris	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Spirochococcus muris	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Cryptosporidium	0/22	0/22	0/21	0/21	0/130	EAD	PCR
Encephalitozoon cuniculi	0/22	NT	NT	NT	0/22	SBS	Serology
Fungi							
Pneumocystis murina	0/22	NT	0/21	NT	0/65	EAD	PCR

Testing laboratory	Compath & GMG	Compath & GMG	Compath & GMG	Compath & GMG
Lab report nos.	Screen 1740	Screen 1790	Screen 1932	Screen 2089

Notes-

- Screens
1794, 1809,
1810, 1842,
1848, 1849,
1851, 1864,
1867, 1869
1. In May 2024 additional screening for S.aureus was conducted and 2 positive lines were found in B6. A Compath test and cull strategy is now in place. &Cerberus
 2. August results are a combination of EAD & direct screening of colony mice. Lines mated to BL6 are being closely screened for S.aureus & +ve cages culled
 3. November results involve EAD testing. Positive results on EAD instigated a testing of every cage in lines likely to be contaminated eg. If they had been mat

Sampling System Used

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