

Australian BioResources
Interim Health Screening Summary Report- Client Strains



Location- Standard barrier level 2

Client Strains - Biobubbles 3, 4, 8, 9 & Rm 16

Note- Biobubble 1 was emptied in May and mice moved to biobubbles 3, 4 & room 16

Aug figures do not include biobubble 1

	Feb-18	May-18	Aug-18	Nov-18	Sample System	Sample Type
Viruses	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/54	0/55	0/52	0/51	SBS	Serology
Mouse Parvovirus	0/54	0/55	0/52	0/51	SBS	Serology
Minute Virus of Mice	0/54	0/55	0/52	0/51	SBS	Serology
Mouse Rotavirus	0/54	0/55	0/52	0/51	SBS	Serology
Theiler's Encephalomyelitis virus	0/54	0/55	0/52	0/51	SBS	Serology
Mouse Norovirus	0/54	0/55	0/52	0/51	SBS	Serology
Pneumonia Virus of Mice	0/54	0/55	0/52	0/51	SBS	Serology
Adenovirus Type 1&2	0/54	NT	0/52	NT	SBS	Serology
Ectromelia	0/54	NT	0/52	NT	SBS	Serology
Hantavirus	0/54	NT	NT	NT	SBS	Serology
LCMV	0/54	NT	0/52	NT	SBS	Serology
Murine Cytomegalovirus	0/54	NT	NT	NT	SBS	Serology
Polyoma Virus	0/54	NT	NT	NT	SBS	Serology
Reovirus Type 3	0/54	NT	0/52	NT	SBS	Serology
Sendai Virus	0/54	0/55	0/52	0/51	SBS	Serology
K Virus	0/54	NT	NT	NT	SBS	Serology
Bacteria						
Mycoplasma pulmonis	0/54	0/55	0/52	0/51	SBS	Serology
Helicobacter spp	0/54	0/55	0/52	0/51	EAD/SBS/CM	PCR
Citrobacter rodentium	0/54	NT	0/52	NT	SBS	Culture
Staphylococcus aureus	0/54	NT	0/52	NT	SBS	Culture
Pseudomonas aeruginosa	0/54	NT	0/52	NT	SBS	Culture
Pasteurella pneumotropica	*35/55	*77/156	NT	NT	EAD/CM	PCR
CAR Bacillus	0/54	NT	NT	NT	SBS	Serology
Clostridium piliforme	0/54	NT	NT	NT	SBS	Serology
Corynebacterium kutscheri	0/54	NT	0/52	NT	SBS	Culture
Klebsiella pneumoniae	0/54	NT	0/52	NT	SBS	Culture
Klebsiella oxytoca	0/54	NT	0/52	NT	SBS	Culture
Salmonella spp.	0/54	NT	0/52	NT	SBS	Culture
Streptococcus pneumoniae	0/54	NT	NT	NT	SBS	Culture
Parasites						
Ectoparasites	0/54	NT	0/52	NT	SBS	RE/PCR
Syphacia spp	0/54	0/55	0/52	0/51	EAD	RE/PCR
Aspicularis tetraptera	0/54	0/55	0/52	0/51	EAD	RE/PCR
Giardia muris	0/54	NT	0/52	NT	SBS	RE/PCR
Spiroplasma muris	0/54	NT	0/52	NT	SBS	RE/PCR
Encephalitozoon cuniculi	0/54	NT	NT	NT	SBS	Serology

Testing laboratory	Compath	Cerberus Sciences	Compath	Cerberus Sciences
Lab report nos.	ABR 16, 19, 23, 25	ABR 39, 45	ABR 65, 76, 79	ABR 86

The results shown above are a compilation of results from external specialist laboratories- Compath and Cerberus Sciences. Compath and Cerberus Sciences are accredited under ISO 9001

Sampling System Used

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

Notes-

1. When EAD is used, final results are not reported until follow up testing is concluded. This extremely sensitive test is subject to environmental contamination
2. P.pneumotropica was detected in client strain bubbles on rack exhausts during Feb.
3. Between Feb & May extensive testing of individual lines for P.pneumotropica was conducted.
4. P.pneumotropica screening did not take place in Aug as these biobubbles are assumed P.pneumotropica positive on the basis of previous screening.

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Client Strains - Biobubble 6

	Feb-18	May-18	Aug-18	Nov-18	System	Sample Type
	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	
Viruses						
Mouse Hepatitis Virus	0/11	0/11	0/11	0/11	SBS	Serology
Mouse Parvovirus	0/11	0/11	0/11	0/11	SBS	Serology
Minute Virus of Mice	0/11	0/11	0/11	0/11	SBS	Serology
Mouse Rotavirus	0/11	0/11	0/11	0/11	SBS	Serology
Theiler's Encephalomyelitis virus	0/11	0/11	0/11	0/11	SBS	Serology
Mouse Norovirus	0/11	0/11	0/11	0/11	SBS	Serology
Pneumonia Virus of Mice	0/11	0/11	0/11	0/11	SBS	Serology
Adenovirus Type 1&2	0/11	NT	0/11	NT	SBS	Serology
Ectromelia	0/11	NT	0/11	NT	SBS	Serology
Hantavirus	0/11	NT	NT	NT	SBS	Serology
LCMV	0/11	NT	0/11	NT	SBS	Serology
Murine Cytomegalovirus	0/11	NT	NT	NT	SBS	Serology
Polyoma Virus	0/11	NT	NT	NT	SBS	Serology
Reovirus Type 3	0/11	NT	0/11	NT	SBS	Serology
Sendai Virus	0/11	0/11	0/11	0/11	SBS	Serology
K Virus	0/11	NT	NT	NT	SBS	Serology
Bacteria						
Mycoplasma pulmonis	0/11	0/11	0/11	0/11	SBS	Serology
Helicobacter spp	0/11	0/11	0/11	0/11	EAD/SBS/CM	PCR
Citrobacter rodentium	0/11	NT	0/11	NT	SBS	Culture
Staphylococcus aureus	0/11	NT	0/11	NT	SBS	Culture
Pseudomonas aeruginosa	0/11	NT	0/11	NT	SBS	Culture
Pasteurella pneumotropica	*6/27	*9/62	*5/83	*	EAD/CM	PCR
CAR Bacillus	0/11	NT	NT	NT	SBS	Serology
Clostridium piliforme	0/11	NT	NT	NT	SBS	Serology
Corynebacterium kutscheri	0/11	NT	NT	NT	0/12	Culture
Klebsiella pneumoniae	0/11	NT	0/11	NT	SBS	Culture
Klebsiella oxytoca	0/11	NT	0/11	NT	SBS	Culture
Salmonella spp	0/11	NT	0/11	NT	SBS	Culture
Streptococcus pneumoniae	0/11	NT	NT	NT	SBS	Culture
Parasites						
Ectoparasites	0/11	NT	0/11	NT	EAD	PCR
Syphacia spp	0/11	0/11	0/11	0/11	EAD	PCR
Aspicularis tetraptera	0/11	0/11	0/11	0/11	EAD	PCR
Giardia muris	0/11	NT	0/11	NT	EAD	PCR
Spironucleus muris	0/11	NT	0/11	NT	EAD	PCR
Encephalitozoon cuniculi	0/11	NT	NT	NT	SBS	Serology

Testing laboratory	Cerberus		Cerberus	
	Compath	Sciences	Compath	Sciences
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Sampling System Used

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3. Colony mice (CM)

Notes-

1. When EAD is used, final results are not reported until follow up testing is concluded. This extremely sensitive test is subject to environmental contamination
2. In bubble 6 extensive testing was undertaken to eradicate P.pneumotropica between Feb and May. Any positive cages were removed to make this room negative for P.pneumotropica.
3. In a thorough re-screen for P.pneumotropica in Aug, 4 x positive mouse lines were detected and removed (total no. lines in B6 = 104) . The positive mouse lines were confined to 2 racks.
4. * Awaiting results for P.pneumotropica

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Client strains - Biobubble 1

	Feb-18	May-18	Aug-18	Nov-18	Sample System	Sample Type
Viruses	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	
Mouse Hepatitis Virus	NA	NA	0/2	0/7	SBS	Serology
Mouse Parvovirus	NA	NA	0/2	0/7	SBS	Serology
Minute Virus of Mice	NA	NA	0/2	0/7	SBS	Serology
Mouse Rotavirus	NA	NA	0/2	0/7	SBS	Serology
Theiler's Encephalomyelitis virus	NA	NA	0/2	0/7	SBS	Serology
Mouse Norovirus	NA	NA	0/2	0/7	SBS	Serology
Pneumonia Virus of Mice	NA	NA	0/2	0/7	SBS	Serology
Adenovirus Type 1&2	NA	NA	0/2	0/7	SBS	Serology
Ectromelia	NA	NA	0/2	0/7	SBS	Serology
Hantavirus	NA	NA	0/2	0/7	SBS	Serology
LCMV	NA	NA	0/2	0/7	SBS	Serology
Murine Cytomegalovirus	NA	NA	0/2	0/7	SBS	Serology
Polyoma Virus	NA	NA	0/2	0/7	SBS	Serology
Reovirus Type 3	NA	NA	0/2	0/7	SBS	Serology
Sendai Virus	NA	NA	0/2	0/7	SBS	Serology
K Virus	NA	NA	0/2	0/7	SBS	Serology
Bacteria						
Mycoplasma pulmonis	NA	NA	0/2	0/7	SBS	Serology
Helicobacter spp	NA	NA	0/2	0/7	EAD/SBS/CM	PCR
Citrobacter rodentium	NA	NA	0/2	0/7	SBS	Culture
Staphylococcus aureus	NA	NA	0/2	0/7	SBS	Culture
Pseudomonas aeruginosa	NA	NA	0/2	0/7	SBS	Culture
Pasteurella pneumotropica	NA	NA	0/2	*	EAD/CM	PCR
CAR Bacillus	NA	NA	0/2	0/7	SBS	Serology
Clostridium piliforme	NA	NA	0/2	0/7	SBS	Serology
Corynebacterium kutscheri	NA	NA	0/2	0/7	SBS	Culture
Klebsiella pneumoniae	NA	NA	0/2	0/7	SBS	Culture
Klebsiella oxytoca	NA	NA	0/2	0/7	SBS	Culture
Salmonella spp	NA	NA	0/2	0/7	SBS	Culture
Streptococcus pneumoniae	NA	NA	0/2	0/7	SBS	Culture
Parasites						
Ectoparasites	NA	NA	0/2	0/7	EAD	PCR
Syphacia spp	NA	NA	0/2	0/7	EAD	PCR
Aspicularis tetraptera	NA	NA	0/2	0/7	EAD	PCR
Giardia muris	NA	NA	0/2	0/7	EAD	PCR
Spiro nucleus muris	NA	NA	0/2	0/7	EAD	PCR
Encephalitozoon cuniculi	NA	NA	0/2	0/7	SBS	Serology

Testing laboratory	Cerberus		Cerberus	
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2. * Awaiting results for P.pneumotropica