

**Australian BioResources**  
**Final Health Screening Summary Report- Client Strains**



**Location- Standard barrier level 2**

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

	Nov-19	Feb-20	May-20	Aug-20	Nov-20	Past 18 mths	Sample System	Sample Type
<b>Viruses</b>	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/51	0/51	0/42	0/45	0/48	0/288	SBS	Serology
Mouse Parvovirus	0/51	0/51	0/42	0/45	0/48	0/288	SBS	Serology
Minute Virus of Mice	0/51	0/51	0/42	0/45	0/48	0/288	SBS	Serology
Mouse Rotavirus	0/51	0/51	0/42	0/45	0/48	0/288	SBS	Serology
Theiler's Encephalomyelitis virus	0/51	0/51	0/42	0/45	0/48	0/288	SBS	Serology
Mouse Norovirus	0/51	0/51	0/42	0/45	0/48	0/288	SBS	Serology
Pneumonia Virus of Mice	0/51	0/51	0/42	0/45	0/48	0/288	SBS	Serology
Adenovirus Type 1&2	NT	0/51	NT	0/45	NT	0/147	SBS	Serology
Ectromelia	NT	0/51	NT	0/45	NT	0/147	SBS	Serology
Hantavirus	NT	0/51	NT	NT	NT	0/51	SBS	Serology
LCMV	NT	0/51	NT	0/45	NT	0/147	SBS	Serology
Murine Cytomegalovirus	NT	0/51	NT	NT	NT	0/102	SBS	Serology
Polyoma Virus	NT	0/51	NT	NT	NT	0/51	SBS	Serology
Reovirus Type 3	NT	0/51	NT	0/45	NT	0/96	SBS	Serology
Sendai Virus	NT	0/51	0/42	0/45	0/48	0/237	SBS	Serology
K Virus	NT	0/51	NT	NT	NT	0/51	SBS	Serology
MKPV	NT	NT	NT	NT	NT	NT	SBS/CM	PCR
<b>Bacteria</b>								
Mycoplasma pulmonis	0/51	0/51	0/42	0/45	0/48	0/288	SBS	Serology
Helicobacter spp	0/51	0/51	0/42	0/45	0/48	0/288	SBS/CM	PCR
Citrobacter rodentium	NT	0/51	NT	0/45	NT	0/147	SBS	Culture
Staphylococcus aureus	NT	0/51	NT	0/45	NT	0/147	SBS	Culture
Pseudomonas aeruginosa	NT	0/51	NT	0/45	NT	0/147	SBS	Culture
Pasteurella pneumotropica	*NT	*NT	*NT	*NT	*NT	*NT	EAD	PCR
CAR Bacillus	NT	0/51	NT	0/45	NT	0/96	SBS	Serology
Clostridium piliforme	NT	0/51	NT	0/45	NT	0/96	SBS	Serology
Corynebacterium kutscheri	NT	0/51	NT	0/45	NT	0/147	SBS	Culture
Klebsiella pneumoniae	NT	0/51	NT	0/45	NT	0/147	SBS	Culture
Klebsiella oxytoca	NT	0/51	NT	0/45	NT	0/147	SBS	Culture
Salmonella spp.	NT	0/51	NT	0/45	NT	0/147	SBS	Culture
Streptococcus pneumoniae	NT	0/51	NT	0/45	NT	0/147	SBS	Culture
<b>Parasites</b>								
Ectoparasites	0/51	0/51	0/42	0/45	0/48	0/288	EAD	PCR
Syphacia spp	0/51	0/51	0/42	0/45	0/48	0/288	EAD	PCR
Aspicularis tetraptera	0/51	0/51	0/42	0/45	0/48	0/288	EAD	PCR
Giardia muris	NT	0/51	0/42	0/45	0/48	0/288	EAD	PCR
Spironucleus muris	NT	0/51	0/42	0/45	0/48	0/288	EAD	PCR
Encephalitozoon cuniculi	NT	0/51	NT	NT	NT	0/51	SBS	Serology

Cerberus

**Testing laboratory** Compath & Cerberus Compath  
GMG Compath & GMG & GMG  
Lab report nos. ABR 85,93 & ABR 21,22 ABR 64,55 ABR 104,92

***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-**

\* Historically these holdings are positive for P.pneumotropica so PCR testing for this bacteria is not conducted

**Australian BioResources**  
**Final Health Screening Summary Report- Client Strains**



**Location- Standard barrier level 1**

**Client Strains - Biohubble 6**

	Nov-19	Feb-20	May-20	Aug-20	Nov-20	Past 18 mths	System	Sample Type
<b>Viruses</b>	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	
Mouse Hepatitis Virus	0/11	0/11	0/9	0/9	0/11	0/62	SBS	Serology
Mouse Parvovirus	0/11	0/11	0/9	0/9	0/11	0/62	SBS	Serology
Minute Virus of Mice	0/11	0/11	0/9	0/9	0/11	0/62	SBS	Serology
Mouse Rotavirus	0/11	0/11	0/9	0/9	0/11	0/62	SBS	Serology
Theiler's Encephalomyelitis virus	0/11	0/11	0/9	0/9	0/11	0/62	SBS	Serology
Mouse Norovirus	0/11	0/11	0/9	0/9	0/11	0/62	SBS	Serology
Pneumonia Virus of Mice	0/11	0/11	0/9	0/9	0/11	0/62	SBS	Serology
Adenovirus Type 1&2	NT	0/11	NT	0/9	NT	0/31	SBS	Serology
Ectromelia	NT	0/11	NT	0/9	NT	0/31	SBS	Serology
Hantavirus	NT	0/11	NT	NT	NT	0/22	SBS	Serology
LCMV	NT	0/11	NT	0/9	NT	0/31	SBS	Serology
Murine Cytomegalovirus	NT	0/11	NT	NT	NT	0/22	SBS	Serology
Polyoma Virus	NT	0/11	NT	NT	NT	0/22	SBS	Serology
Reovirus Type 3	NT	0/11	NT	0/9	NT	0/31	SBS	Serology
Sendai Virus	NT	0/11	0/9	0/9	0/11	0/51	SBS	Serology
K Virus	NT	0/11	NT	NT	NT	0/22	SBS	Serology
MKPV	NT	0/11	NT	NT	NT	0/11	SBS/CM	
<b>Bacteria</b>								
Mycoplasma pulmonis	0/11	0/11	0/9	0/9	0/11	0/62	SBS	Serology
Helicobacter spp	0/11	0/11	0/9	0/9	0/11	0/62	SBS/CM	PCR
Citrobacter rodentium	NT	0/11	NT	0/9	NT	0/31	SBS	Culture
Staphylococcus aureus	NT	0/11	NT	0/9	NT	0/31	SBS	Culture
Pseudomonas aeruginosa	NT	0/11	NT	0/9	NT	0/31	SBS	Culture
Pasteurella pneumotropica	0/15	0/11	0/9	0/9	*21/91	21/146	EAD/CM	PCR
CAR Bacillus	NT	0/11	NT	0/9	NT	0/31	SBS	Serology
Clostridium piliforme	NT	0/11	NT	0/9	NT	0/31	SBS	Serology
Corynebacterium kutscheri	NT	0/11	NT	0/9	NT	0/31	SBS	Culture
Corynebacterium bovis	NT	0/11	0/9	0/9	0/11	0/51	EAD/SBS	Culture(oral)< Nov19, EAD from Feb 20
Klebsiella pneumoniae	NT	0/11	NT	0/9	NT	0/31	SBS	Culture
Klebsiella oxytoca	NT	0/11	NT	0/9	NT	0/31	SBS	Culture
Salmonella spp	NT	0/11	NT	0/9	NT	0/31	SBS	Culture
Streptococcus pneumoniae	NT	0/11	NT	0/9	NT	0/31	SBS	Culture
<b>Parasites</b>								
Ectoparasites	0/11	0/11	0/9	0/9	0/11	0/62	EAD	PCR
Syphacia spp	0/11	0/11	0/9	0/9	0/11	0/62	EAD	PCR
Aspicularis tetraaptera	0/11	0/11	0/9	0/9	0/11	0/62	EAD	PCR
Giardia muris	NT	0/11	0/9	0/9	0/11	0/51	EAD	PCR
Spiroplasma muris	NT	0/11	0/9	0/9	0/11	0/51	EAD	PCR
Encephalitozoon cuniculi	NT	0/11	NT	0/9	NT	0/31	SBS	Serology

	Cerberus				
<b>Testing laboratory</b>	Compath & GMG	Compath & GMG	Cerberus & GMG	Compath & GMG	Cerberus & GMG
Lab report nos.	ABR 85, 93 & 'ABR 21,22 ABR 64,55 ABR 104,9 4,168,172				

**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**

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

\* **Note-** Follow up testing is still underway ( Dec 2020) . Any mice testing positive for P.pneumotropica are removed from the bubble.

**Australian BioResources**  
**Final Health Screening Summary Report- Client Strains**



**Client Strains - Biobubble 7**

**Notes- Lines were moved into B7 between May and August 2020**

	Nov-19	Feb-20	May-20	Aug-20	Sep-Oct/2020	Past 18 mths	Sample System	Sample Type
	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	
<b>Viruses</b>								
Mouse Hepatitis Virus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Mouse Parvovirus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Minute Virus of Mice	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Mouse Rotavirus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Theiler's Encephalomyelitis virus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Mouse Norovirus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Pneumonia Virus of Mice	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Adenovirus Type 1&2	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Ectromelia	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Hantavirus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
LCMV	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Murine Cytomegalovirus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Polyoma Virus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Reovirus Type 3	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Sendai Virus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
K Virus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
MKPV	NT	NT	NT	NT	0/9	0/9	SBS/CM	
<b>Bacteria</b>								
Mycoplasma pulmonis	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Helicobacter spp	NT	NT	NT	NT	0/9	0/9	SBS/CM	PCR
Citrobacter rodentium	NT	NT	NT	NT	0/9	0/9	SBS	Culture
Staphylococcus aureus	NT	NT	NT	NT	0/9	0/9	SBS	Culture
Pseudomonas aeruginosa	NT	NT	NT	NT	0/9	0/9	SBS	Culture
Pasteurella pneumotropica	NT	NT	NT	NT	*28/54	*28/54	EAD/CM	PCR
CAR Bacillus	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Clostridium piliforme	NT	NT	NT	NT	0/9	0/9	SBS	Serology
Corynebacterium kutscheri	NT	NT	NT	NT	0/9	0/9	SBS	Culture
Corynebacterium bovis	NT	NT	NT	NT	0/9	0/9	EAD/SBS	Culture(oral)< Nov19, EAD from Feb 20
Klebsiella pneumoniae	NT	NT	NT	NT	0/9	0/9	SBS	Culture
Klebsiella oxytoca	NT	NT	NT	NT	0/9	0/9	SBS	Culture
Salmonella spp	NT	NT	NT	NT	0/9	0/9	SBS	Culture
Streptococcus pneumoniae	NT	NT	NT	NT	0/9	0/9	SBS	Culture
<b>Parasites</b>								
Ectoparasites	NT	NT	NT	NT	0/9	0/9	EAD	PCR
Syphacia spp	NT	NT	NT	NT	0/9	0/9	EAD	PCR
Aspicularis tetraptera	NT	NT	NT	NT	0/9	0/9	EAD	PCR
Giardia muris	NT	NT	NT	NT	0/9	0/9	EAD	PCR
Spiroplasma muris	NT	NT	NT	NT	0/9	0/9	EAD	PCR
Encephalitozoon cuniculi	NT	NT	NT	NT	0/9	0/9	SBS	Serology

	Cerberus				
<b>Testing laboratory</b>	Compath & GMG	Compath & GMG	Cerberus & GMG	Compath & GMG	Cerberus & GMG
				ABR	
				122,124,125,13	

Lab report nos. ABR 85, 93 & 'ABR 21,22 ABR 64,55 ABR 104,9 0,140,155

**The results shown above are a compilation of results from external specialist laboratories- Compath and Cerberus Sciences. Compath and**

**Sampling System Used**

Soiled Bedding Sentinel (SBS)

Exhaust Air Duct (EAD)

Colony mice (CM)

**\*Notes-** Any positive mice are removed from this barrier immediately following confirmation of a positive test.

**Australian BioResources**  
**Final Health Screening Summary Report- Client Strains**



**Client Strains - Biobubble 5**

**Notes- Lines were moved into B5 between May and August 2020**

	Nov-19	Feb-20	May-20	Aug-20	Sep-Oct/2020	Past 18 mths	Sample System	Sample Type
	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	
<b>Viruses</b>								
Mouse Hepatitis Virus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Mouse Parvovirus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Minute Virus of Mice	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Mouse Rotavirus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Theiler's Encephalomyelitis virus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Mouse Norovirus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Pneumonia Virus of Mice	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Adenovirus Type 1&2	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Ectromelia	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Hantavirus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
LCMV	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Murine Cytomegalovirus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Polyoma Virus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Reovirus Type 3	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Sendai Virus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
K Virus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
MKPV	NT	NT	NT	NT	0/5	0/5	SBS/CM	
<b>Bacteria</b>								
Mycoplasma pulmonis	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Helicobacter spp	NT	NT	NT	NT	0/5	0/5	SBS/CM	PCR
Citrobacter rodentium	NT	NT	NT	NT	0/5	0/5	SBS	Culture
Staphylococcus aureus	NT	NT	NT	NT	0/5	0/5	SBS	Culture
Pseudomonas aeruginosa	NT	NT	NT	NT	0/5	0/5	SBS	Culture
Pasteurella pneumotropica	NT	NT	NT	NT	0/11	0/11	EAD/CM	PCR
CAR Bacillus	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Clostridium piliforme	NT	NT	NT	NT	0/5	0/5	SBS	Serology
Corynebacterium kutscheri	NT	NT	NT	NT	0/5	0/5	SBS	Culture
Corynebacterium bovis	NT	NT	NT	NT	0/5	0/5	EAD/SBS	Culture(oral)< Nov19, EAD from Feb 20
Klebsiella pneumoniae	NT	NT	NT	NT	0/5	0/5	SBS	Culture
Klebsiella oxytoca	NT	NT	NT	NT	0/5	0/5	SBS	Culture
Salmonella spp	NT	NT	NT	NT	0/5	0/5	SBS	Culture
Streptococcus pneumoniae	NT	NT	NT	NT	0/5	0/5	SBS	Culture
<b>Parasites</b>								
Ectoparasites	NT	NT	NT	NT	0/5	0/5	EAD	PCR
Syphacia spp	NT	NT	NT	NT	0/5	0/5	EAD	PCR
Aspicularis tetraptera	NT	NT	NT	NT	0/5	0/5	EAD	PCR
Giardia muris	NT	NT	NT	NT	0/5	0/5	EAD	PCR
Spiroplasma muris	NT	NT	NT	NT	0/5	0/5	EAD	PCR
Encephalitozoon cuniculi	NT	NT	NT	NT	0/5	0/5	SBS	Serology

Cerberus

<b>Testing laboratory</b>	Compath & GMG	Compath & GMG	Cerberus & GMG	Compath & GMG	Cerberus & GMG
Lab report nos.	ABR 85, 93 & 'A	BR 21, 22	ABR 64, 55	ABR 104, 9	ABR 129, 169

**The results shown above are a compilation of results from external specialist laboratories- Compath and Cerberus Sciences. Compath and**

**Sampling System Used**

Soiled Bedding Sentinel (SBS)

Exhaust Air Duct (EAD)

Colony mice (CM)

**\*Notes-** Any positive mice are removed from this barrier immediately following confirmation of a positive test.

**Australian BioResources**  
**Final Health Screening Summary Report- Client Strains**



**Location - Maximum barrier**

**Client strains - Biobubble 1**

	Nov-19	Feb-20	May-20	Aug-19	Nov-20	Past 18 mths	Sample System	Sample Type
<b>Viruses</b>	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg	
Mouse Hepatitis Virus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Mouse Parvovirus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Minute Virus of Mice	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Mouse Rotavirus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Theiler's Encephalomyelitis virus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Mouse Norovirus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Pneumonia Virus of Mice	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Adenovirus Type 1&2	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Ectromelia	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Hantavirus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
LCMV	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Murine Cytomegalovirus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Polyoma Virus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Reovirus Type 3	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Sendai Virus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
K Virus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
MKPV	NT	0/9	NT	NT	NT	0/9	SBS/CM	
<b>Bacteria</b>								
Mycoplasma pulmonis	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Helicobacter spp	0/9	0/9	0/9	0/9	0/11	0/54	SBS/CM	PCR
Citrobacter rodentium	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Culture
Staphylococcus aureus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Culture
Pseudomonas aeruginosa	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Culture
Pasteurella pneumotropica	0/9	0/9	0/9	0/9	0/11	0/54	EAD	PCR
CAR Bacillus	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Clostridium piliforme	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
Corynebacterium kutscheri	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Culture
Corynebacterium bovis	0/103	0/9	0/9	0/9	0/11	0/148	SBS/EAD	Culture(oral)< Nov19, PCR EAD& CE from Nov19
Klebsiella pneumoniae	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Culture
Klebsiella oxytoca	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Culture
Salmonella spp	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Culture
Streptococcus pneumoniae	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Culture
<b>Parasites</b>								
Ectoparasites	0/9	0/9	0/9	0/9	0/11	0/54	EAD	PCR
Syphacia spp	0/9	0/9	0/9	0/9	0/11	0/54	EAD	PCR
Aspicularis tetraaptera	0/9	0/9	0/9	0/9	0/11	0/54	EAD	PCR
Giardia muris	0/9	0/9	0/9	0/9	0/11	0/54	EAD	PCR
Spiroplasma muris	0/9	0/9	0/9	0/9	0/11	0/54	EAD	PCR
Encephalitozoon cuniculi	0/9	0/9	0/9	0/9	0/11	0/54	SBS	Serology
<b>Fungi</b>								
Pneumocystis murina	NT	0/2	NT	NT	NT	0/4	SBS(nude)	PCR Lung

	Cerberus				
<b>Testing laboratory</b>	Compath & GMG	Compath & GMG	Cerberus & GMG	Compath & GMG	Cerberus & GMG
Lab report nos.	ABR 85, 93& 98	ABR21,2 2,23	ABR 64,55	ABR 104,9	ABR 153, 159

**The results shown above are a compilation of results from external specialist laboratories- Compath and Cerberus Sciences. Compath and**

**Sampling System Used**

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