

Location- Standard barrier level 2

Client Strains - Biobubbles 3, 4, 9

Note- Biobubble 8 was included in the May/ Aug 23 screens but was then emptied to become a maximum barrier sales holding.

	May-23	Aug-23	Nov-23	Feb-24	Past 18 mths	Sample System	Test Method
Viruses	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Mouse Parvovirus	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Minute Virus of Mice	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Mouse Rotavirus	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Theiler`s Encephalomyelitis virus	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Mouse Norovirus	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Pneumonia Virus of Mice	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Adenovirus Type 1&2	NT	NT	NT	0/33	0/77	SBS	Serology
Ectromelia	NT	NT	NT	0/33	0/77	SBS	Serology
Hantavirus	NT	NT	NT	0/33	0/77	SBS	Serology
LCMV	NT	NT	NT	0/33	0/77	SBS	Serology
Murine Cytomegalovirus	NT	NT	NT	0/33	0/77	SBS	Serology
Polyoma Virus	NT	NT	NT	0/33	0/77	SBS	Serology
Reovirus Type 3	NT	NT	NT	0/33	0/77	SBS	Serology
Sendai Virus	NT	NT	NT	0/33	0/77	SBS	Serology
K Virus	NT	NT	NT	0/33	0/77	SBS	Serology
MKPV	NT	NT	NT	NT	NT		
Bacteria							
Mycoplasma pulmonis	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Helicobacter spp	0/44	0/44	0/33	0/33	0/242	SBS/CM	PCR
CAR Bacillus	NT	NT	NT	0/33	0/77	SBS/CM	Serology

Clostridium piliforme	NT	NT	NT	0/33	0/77	SBS/CM	Serology
Bordetella bronchiseptica	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Citrobacter rodentium	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Corynebacterium kutscheri	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Klebsiella oxytoca	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Klebsiella pneumoniae	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Pasteurella pneumotropica	*NT	37/6	*NT	0/33	37/39	SBS/CM	Culture
Other Pasteurellaceae	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Pseudomonas aeruginosa	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Proteus mirabilis	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Salmonella spp.	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Staphylococcus aureus	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Streptococcus pneumoniae	NT	0/44	NT	0/33	0/121	SBS/CM	Culture
Beta-haemolytic Streptococcus	NT	0/44	NT	0/33	0/121	SBS/CM	Culture

Parasites

Fur mites	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Syphacia spp	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Aspicularis tetraptera	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Giardia muris	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Spiroplasma muris	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Cryptosporidium	0/44	0/44	0/33	0/33	0/242	EAD	PCR
Encephalitozoon cuniculi	NT	NT	NT	0/33	0/77	SBS	Serology

Testing laboratory	Compath & GMG	Compath & GMG	Compath & GMG	Compath & GMG
Lab report nos.	Screen 1562	Screen 1600	Screen 1658	Screen 1740

Sampling System Used

1. Soiled Bedding Sentinel (SBS)
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

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Client Strains - Biobubbles 5 & 7

	May-23	Aug-23	Nov-23	Feb-24	Past 18mths	Sample System	Test Method
Viruses	pos/neg	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Mouse Parvovirus	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Minute Virus of Mice	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Mouse Rotavirus	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Theiler`s Encephalomyelitis virus	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Mouse Norovirus	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Pneumonia Virus of Mice	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Adenovirus Type 1&2	NT	NT	NT	0/19	0/39	SBS	Serology
Ectromelia	NT	NT	NT	0/19	0/39	SBS	Serology
Hantavirus	NT	NT	NT	0/19	0/39	SBS	Serology
LCMV	NT	NT	NT	0/19	0/39	SBS	Serology
Murine Cytomegalovirus	NT	NT	NT	0/19	0/39	SBS	Serology
Polyoma Virus	NT	NT	NT	0/19	0/39	SBS	Serology

Reovirus Type 3	NT	NT	NT	0/19	0/39	SBS	Serology
Sendai Virus	NT	NT	NT	0/19	0/39	SBS	Serology
K Virus	NT	NT	NT	0/19	0/39	SBS	Serology
MKPV	NT	NT	NT	0/19	0/39	SBS/CM	PCR

Bacteria

Mycoplasma pulmonis	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Helicobacter spp	0/20	0/19	0/19	0/19	0/117	SBS/CM	PCR
CAR Bacillus	NT	NT	NT	0/19	0/39	SBS	Serology
Clostridium piliforme	NT	NT	NT	0/19	0/39	SBS	Serology
Bordetella bronchiseptica	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Citrobacter rodentium	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Corynebacterium bovis	NT	0/19	NT	0/19	0/58	EAD	PCR
Corynebacterium kutscheri	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Klebsiella oxytoca	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Klebsiella pneumoniae	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Pasteurella pneumotropica	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Other Pasteurellaceae	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Pseudomonas aeruginosa	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Proteus mirabilis	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Salmonella spp	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Staphylococcus aureus	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Streptococcus pneumoniae	NT	0/19	NT	0/19	0/58	SBS/CM	Culture
Beta-hemolytic Streptococcus	NT	0/19	NT	0/19	0/58	SBS/CM	Culture

Parasites

Fur mites	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Syphacia spp	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Aspicularis tetraptera	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Giardia muris	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Spironucleus muris	0/20	0/19	0/19	0/19	0/117	EAD	PCR
Cryptosporidium	0/20	0/19	0/19	0/19	0/117	EAD	PCR

Encephalitozoon cuniculi	NT	NT	NT	0/19	0/39	SBS	Serology
Fungi							
Pneumocystis murina	NT	0/19	NT	0/19	0/41	SBS/EAD	PCR

Testing laboratory	Compath & GMG Screen	Compath & GMG Screen	Compath & GMG Screen	Compath & GMG Screen
Lab report nos.	1561	1601	1657	1739

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 NATA certified under ISO 17025

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

	May-23	Aug-23	Nov-23	Feb-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	NT	0/22	0/44	SBS	Serology
Ectromelia	NT	NT	NT	0/22	0/44	SBS	Serology
Hantavirus	NT	NT	NT	0/22	0/44	SBS	Serology
LCMV	NT	NT	NT	0/22	0/44	SBS	Serology
Murine Cytomegalovirus	NT	NT	NT	0/22	0/44	SBS	Serology
Polyoma Virus	NT	NT	NT	0/22	0/44	SBS	Serology
Reovirus Type 3	NT	NT	NT	0/22	0/44	SBS	Serology
Sendai Virus	NT	NT	NT	0/22	0/44	SBS	Serology
K Virus	NT	NT	NT	0/22	0/44	SBS	Serology
MKPV	NT	NT	NT	0/22	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	NT	0/22	0/44	SBS	Serology
Clostridium piliforme	NT	NT	NT	0/22	0/44	SBS	Serology
Bordetella bronchiseptica	NT	0/22	NT	0/22	0/66	SBS	Culture
Citrobacter rodentium	NT	0/22	NT	0/22	0/66	SBS	Culture
Corynebacterium bovis	NT	0/22	NT	0/22	0/66	EAD	PCR
Corynebacterium kutscheri	NT	0/22	NT	0/22	0/66	SBS	Culture
Klebsiella oxytoca	NT	0/22	NT	0/22	0/66	SBS	Culture
Klebsiella pneumoniae	NT	0/22	NT	0/22	0/66	SBS	Culture
Pasteurella pneumotropica	0/22	0/22	0/22	0/22	0/132	EAD	PCR
Other Pasteurellaceae	NT	0/22	NT	0/22	0/66	SBS	Culture
Pseudomonas aeruginosa	NT	0/22	NT	0/22	0/66	SBS	Culture
Proteus mirabilis	NT	0/22	NT	0/22	0/66	SBS	Culture
Salmonella spp	NT	0/22	NT	0/22	0/66	SBS	Culture
Staphylococcus aureus	NT	0/22	NT	0/22	0/66	SBS	Culture
Streptococcus pneumoniae	NT	0/22	NT	0/22	0/66	SBS	Culture

Beta-hemolytic Streptococcus	NT	0/22	NT	0/22	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
Spiroplasma 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	NT	0/22	0/44	SBS	Serology
Fungi							
Pneumocystis murina	NT	0/22	NT	0/22	0/46	SBS(nude)/EAD	PCR

Testing laboratory	Compath & GMG	Compath & GMG	Compath & GMG	Compath & GMG
Lab report nos.	Screen 1559	Screen 1597	Screen 1659	Screen 1740

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 NATA certified under ISO 17025

Sampling System Used

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