

Australian BioResources
Health Screening Report - Client Strains



Client Strains - Immunodeficient - Biobubbles 7, 5, 4 (From May 17 Biobubble 9, 5 & 4)

	Nov-16	Feb-17	May-17	Aug-17	Sample System	Sample Type
	pos/neg	pos/neg	pos/neg	pos/neg		
Viruses						
Mouse Hepatitis Virus	0/10	0/13	0/3	0/3	SBS	Serology
Mouse Parvovirus	0/10	0/13	0/3	0/3	SBS	Serology
Minute Virus of Mice	0/10	0/13	0/3	0/3	SBS	Serology
Mouse Rotavirus	0/10	0/13	0/3	0/3	SBS	Serology
Theiler's Encephalomyelitis virus	0/10	0/13	0/3	0/3	SBS	Serology
Mouse Norovirus	0/10	0/13	0/3	0/3	SBS	Serology
Pneumonia Virus of Mice	0/10	0/13	0/3	0/3	SBS	Serology
Adenovirus Type 1&2	NT	0/13	NT	0/3	SBS	Serology
Ectromelia	NT	0/13	NT	0/3	SBS	Serology
Hantavirus	NT	0/13	NT	NT	SBS	Serology
LCMV	NT	0/13	NT	0/3	SBS	Serology
Murine Cytomegalovirus	NT	0/13	NT	NT	SBS	Serology
Polyoma Virus	NT	0/13	NT	NT	SBS	Serology
Reovirus Type 3	NT	0/13	NT	0/3	SBS	Serology
Sendai Virus	NT	0/13	0/3	0/3	SBS	Serology
K Virus	NT	0/13	NT	NT	SBS	Serology
Bacteria						
Mycoplasma pulmonis	0/10	0/13	0/3	0/3	SBS	Serology
Helicobacter spp	0/10	0/13	0/3	0/3	SBS& RF	PCR faeces
Citrobacter rodentium	NT	0/13	NT	0/3	SBS	Culture
Staphylococcus aureus	NT	0/13	NT	0/3	SBS	Culture
Pseudomonas aeruginosa	NT	0/13	NT	0/3	SBS	Culture
Pasteurella pneumotropica	NT	0/13	NT	0/3	SBS	Culture/PCR
CAR Bacillus	NT	0/13	NT	NT	SBS	Serology
Clostridium piliforme	NT	0/13	NT	NT	SBS	Serology
Corynebacterium kutscheri	NT	0/13	NT	0/3	SBS	Culture
Klebsiella pneumoniae	NT	0/13	NT	0/3	SBS	Culture
Streptococcus pneumoniae	NT	0/13	NT	0/3	SBS	Culture
Parasites						
Ectoparasites	NT	0/13	NT	0/3	SBS	PCR fur
Syphacia spp	0/11	0/13	0/3	0/3	SBS& RF	PCR faeces
Aspicularis tetraptera	0/11	0/13	0/3	0/3	SBS& RF	PCR faeces
Giardia muris	NT	0/13	NT	0/3	SBS	PCR faeces
Entamoeba muris	NT	0/13	NT	0/3	SBS	PCR faeces
Spiroplasma muris	NT	0/13	NT	0/3	SBS	PCR faeces
Encephalitozoon cuniculi	NT	0/13	NT	NT	SBS	Serology
Fungi						
Pneumocystis murina	NT	0/13	NT	0/3	RS	PCR Lung

- Sampling System Used
1. Soiled Bedding Sentinel (SBS)
 2. Random Sample (RS)
 3. Random Faecal samples (RF)
 4. Rack Exhaust (RE)



Client Strains - Immunocompetent - Biobubbles 8, 9, 11

	Nov-16	Feb-17	May-17	Aug-17	Sample System	Sample Type
Viruses	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/23	0/23	0/23	0/23	SBS	Serology
Mouse Parvovirus	0/23	0/23	0/23	0/23	SBS	Serology
Minute Virus of Mice	0/23	0/23	0/23	0/23	SBS	Serology
Mouse Rotavirus	0/23	0/23	0/23	0/23	SBS	Serology
Theiler's Encephalomyelitis virus	0/23	0/23	0/23	0/23	SBS	Serology
Mouse Norovirus	0/23	0/23	0/23	0/23	SBS	Serology
Pneumonia Virus of Mice	0/23	0/23	0/23	0/23	SBS	Serology
Adenovirus Type 1&2	NT	0/23	NT	0/23	SBS	Serology
Ectromelia	NT	0/23	NT	0/23	SBS	Serology
Hantavirus	NT	0/23	NT	NT	SBS	Serology
LCMV	NT	0/23	NT	0/23	SBS	Serology
Murine Cytomegalovirus	NT	0/23	NT	NT	SBS	Serology
Polyoma Virus	NT	0/23	NT	NT	SBS	Serology
Reovirus Type 3	NT	0/23	NT	0/23	SBS	Serology
Sendai Virus	NT	0/23	0/23	0/23	SBS	Serology
K Virus	NT	0/23	NT	NT	SBS	Serology
Bacteria						
Mycoplasma pulmonis	0/23	0/23	0/23	0/23	SBS	Serology
Helicobacter spp	0/23	0/23	0/23	0/23	SBS& RF	PCR faeces
Citrobacter rodentium	NT	0/23	NT	0/23	SBS	Culture
Staphylococcus aureus	NT	0/23	NT	0/23	SBS	Culture
Pseudomonas aeruginosa	NT	0/23	NT	0/23	SBS	Culture
Pasteurella pneumotropica	NT	0/23	NT	0/23	SBS	Culture/PCR
CAR Bacillus	NT	0/23	NT	NT	SBS	Serology
Clostridium piliforme	NT	0/23	NT	NT	SBS	Serology
Corynebacterium kutscheri	NT	0/23	NT	0/23	SBS	Culture
Klebsiella pneumoniae	NT	0/23	NT	0/23	SBS	Culture
Streptococcus pneumoniae	NT	0/23	NT	0/23	SBS	Culture
Parasites						
Ectoparasites	NT	0/23	NT	0/23	SBS	PCR fur
Syphacia spp	0/23	0/23	0/23	0/23	SBS& RF	PCR faeces
Aspicularis tetraptera	0/23	0/23	0/23	0/23	SBS& RF	PCR faeces
Giardia muris	NT	0/23	NT	0/23	SBS	PCR faeces
Entamoeba muris	NT	0/23	NT	0/23	SBS	PCR faeces
Spiroplasma muris	NT	0/23	NT	0/23	SBS	PCR faeces
Encephalitozoon cuniculi	NT	0/23	NT	NT	SBS	Serology

Sampling System Used
1. Soiled Bedding Sentinel (SBS)
2. Random Sample (RS)
3. Random Faecal samples (RF)
4. Rack Exhaust (RE)



Client Strains - Immunocompetent - Biobubbles 1,3,4,6

	Nov-16	Feb-17	May-17	Aug-17	Sample System	Sample/ test
Viruses	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/44	0/44	0/44	0/43	SBS	Serology
Mouse Parvovirus	0/44	0/44	0/44	0/43	SBS	Serology
Minute Virus of Mice	0/44	0/44	0/44	0/43	SBS	Serology
Mouse Rotavirus	0/44	0/44	0/44	0/43	SBS	Serology
Theiler's Encephalomyelitis virus	0/44	0/44	0/44	0/43	SBS	Serology
Mouse Norovirus	0/44	0/44	0/44	0/43	SBS	Serology
Pneumonia Virus of Mice	0/44	0/44	0/44	0/43	SBS	Serology
Adenovirus Type 1&2	NT	0/44	NT	0/43	SBS	Serology
Ectromelia	NT	0/44	NT	0/43	SBS	Serology
Hantavirus	NT	0/44	NT	NT	SBS	Serology
LCMV	NT	0/44	NT	0/43	SBS	Serology
Murine Cytomegalovirus	NT	0/44	NT	NT	SBS	Serology
Polyoma Virus	NT	0/44	NT	NT	SBS	Serology
Reovirus Type 3	NT	0/44	NT	0/43	SBS	Serology
Sendai Virus	NT	0/44	0/44	0/43	SBS	Serology
K Virus	NT	0/44	NT	NT	SBS	Serology
Bacteria						
Mycoplasma pulmonis	0/33	0/44	0/44	0/43	SBS	Serology
Helicobacter spp	0/33	0/44	0/44	0/43	SBS& RF	PCR faeces
Citrobacter rodentium	NT	0/44	NT	0/43	SBS	Culture
Staphylococcus aureus	NT	0/44	NT	0/43	SBS	Culture
Pseudomonas aeruginosa	NT	0/44	NT	0/43	SBS	Culture
Pasteurella pneumotropica	NT*	0/45*	3/5*	2/44*	RS/RM	Culture/PCR
CAR Bacillus	NT	0/44	NT	NT	SBS	Serology
Clostridium piliforme	NT	0/44	NT	NT	SBS	Serology
Corynebacterium kutscheri	NT	0/44	NT	0/43	SBS	Culture
Klebsiella pneumoniae	NT	0/44	NT	0/43	SBS	Culture
Streptococcus pneumoniae	NT	0/44	NT	0/43	SBS	Culture
Parasites						
Ectoparasites	NT	0/44	NT	0/43	SBS	PCR fur
Syphacia spp	0/44	0/44	0/44	0/43	SBS& RF	PCR faeces
Aspicularis tetraptera	0/44	0/44	0/44	0/43	SBS& RF	PCR faeces
Giardia muris	NT	0/44	NT	0/43	SBS	PCR faeces
Entamoeba muris	NT	0/44	NT	0/43	SBS	PCR faeces
Spiroplasma muris	NT	0/44	NT	0/43	SBS	PCR faeces
Encephalitozoon cuniculi	NT	0/44	NT	NT	SBS	Serology

***Notes**

1. P. pneumotropica detected by direct screening of client strains in Biobubble 1- Nov 16
2. Rack monitoring detected P. pneumotropica in rack housing in Biobubble 1 known positive mice-Feb 17
3. Rack monitoring and direct oral swab on known P. Pneumotropica mice in Biobubble 1- May 17
4. Rack monitoring and sentinel swabs detected P.pneumotropica in Biobubble 1 & Biobubble 3- Aug 17

Sampling System Used

1. Soiled Bedding Sentinel (SBS)
2. Random Sample (RS)
3. Random Faecal samples (RF)
4. Rack Monitoring (RM)