

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



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

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

	<b>Feb-17</b>	<b>May-17</b>	<b>Aug-17</b>	<b>Nov-17</b>	<b>Sample System</b>	<b>Sample Type</b>
<b>Viruses</b>	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	0/23	NT	0/23	NT	SBS	Serology
Ectromelia	0/23	NT	0/23	NT	SBS	Serology
Hantavirus	0/23	NT	NT	NT	SBS	Serology
LCMV	0/23	NT	0/23	NT	SBS	Serology
Murine Cytomegalovirus	0/23	NT	NT	NT	SBS	Serology
Polyoma Virus	0/23	NT	NT	NT	SBS	Serology
Reovirus Type 3	0/23	NT	0/23	NT	SBS	Serology
Sendai Virus	0/23	0/23	0/23	NT	SBS	Serology
K Virus	0/23	NT	NT	NT	SBS	Serology
<b>Bacteria</b>						
Mycoplasma pulmonis	0/23	0/23	0/23	0/23	SBS	Serology
Helicobacter spp	0/23	0/23	0/23	0/23	SBS& RE	PCR faeces
Citrobacter rodentium	0/23	NT	0/23	NT	SBS	Culture
Staphylococcus aureus	0/23	NT	0/23	NT	SBS	Culture
Pseudomonas aeruginosa	0/23	NT	0/23	NT	SBS	Culture
Pasteurella pneumotropica	0/23	NT	0/23	NT	SBS	Culture/PCR
CAR Bacillus	0/23	NT	NT	NT	SBS	Serology
Clostridium piliforme	0/23	NT	NT	NT	SBS	Serology
Corynebacterium kutscheri	0/23	NT	0/23	NT	SBS	Culture
Klebsiella pneumoniae	0/23	NT	0/23	NT	SBS	Culture
Streptococcus pneumoniae	0/23	NT	0/23	NT	SBS	Culture
<b>Parasites</b>						
Ectoparasites	0/23	NT	0/23	NT	SBS	PCR fur
Syphacia spp	0/23	0/23	0/23	0/23	SBS& RE	PCR faeces
Aspicularis tetraptera	0/23	0/23	0/23	0/23	SBS& RE	PCR faeces
Giardia muris	0/23	NT	0/23	NT	SBS	PCR faeces
Entamoeba muris	0/23	NT	0/23	NT	SBS	PCR faeces
Spironucleus muris	0/23	NT	0/23	NT	SBS	PCR faeces
Encephalitozoon cuniculi	0/23	NT	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**

	Feb-17	May-17	Aug-17	Nov-17	Sample System	Sample/ test
Viruses	pos/neg	pos/neg	pos/neg	pos/neg		
Mouse Hepatitis Virus	0/44	0/44	0/43	0/44	SBS	Serology
Mouse Parvovirus	0/44	0/44	0/43	0/44	SBS	Serology
Minute Virus of Mice	0/44	0/44	0/43	0/44	SBS	Serology
Mouse Rotavirus	0/44	0/44	0/43	0/44	SBS	Serology
Theiler's Encephalomyelitis virus	0/44	0/44	0/43	0/44	SBS	Serology
Mouse Norovirus	0/44	0/44	0/43	0/44	SBS	Serology
Pneumonia Virus of Mice	0/44	0/44	0/43	0/44	SBS	Serology
Adenovirus Type 1&2	0/44	NT	0/43	NT	SBS	Serology
Ectromelia	0/44	NT	0/43	NT	SBS	Serology
Hantavirus	0/44	NT	NT	NT	SBS	Serology
LCMV	0/44	NT	0/43	NT	SBS	Serology
Murine Cytomegalovirus	0/44	NT	NT	NT	SBS	Serology
Polyoma Virus	0/44	NT	NT	NT	SBS	Serology
Reovirus Type 3	0/44	NT	0/43	NT	SBS	Serology
Sendai Virus	0/44	0/44	0/43	NT	SBS	Serology
K Virus	0/44	NT	NT	NT	SBS	Serology
<b>Bacteria</b>						
Mycoplasma pulmonis	0/44	0/44	0/43	0/44	SBS	Serology
Helicobacter spp	0/44	0/44	0/43	0/4	SBS& RE	PCR faeces
Citrobacter rodentium	0/44	NT	0/43	NT	SBS	Culture
Staphylococcus aureus	0/44	NT	0/43	NT	SBS	Culture
Pseudomonas aeruginosa	0/44	NT	0/43	NT	SBS	Culture
Pasteurella pneumotropica	0/45*	3/5*	2/44*	NT	RS/RE	Culture/PCR
CAR Bacillus	0/44	NT	NT	NT	SBS	Serology
Clostridium piliforme	0/44	NT	NT	NT	SBS	Serology
Corynebacterium kutscheri	0/44	NT	0/43	NT	SBS	Culture
Klebsiella pneumoniae	0/44	NT	0/43	NT	SBS	Culture
Streptococcus pneumoniae	0/44	NT	0/43	NT	SBS	Culture
<b>Parasites</b>						
Ectoparasites	0/44	NT	0/43	NT	SBS	PCR fur
Syphacia spp	0/44	0/44	0/43	0/44	SBS& RE	PCR faeces
Aspicularis tetraptera	0/44	0/44	0/43	0/44	SBS& RE	PCR faeces
Giardia muris	0/44	NT	0/43	NT	SBS	PCR faeces
Entamoeba muris	0/44	NT	0/43	NT	SBS	PCR faeces
Spironucleus muris	0/44	NT	0/43	NT	SBS	PCR faeces
Encephalitozoon cuniculi	0/44	NT	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 Exhaust (RE)