

**THE UNIVERSITY OF HONG KONG - LABORATORY ANIMAL UNIT - UNIT LABORATORY**

**Minimal Diseases Experimental Holding Area - Extension Dexter H.C. Man Building (MDA-Ext) : Mouse Health Surveillance Data Year 2018**

Room			Rm EG02	Rm EG03	Rm EG04	Rm EG07	Rm EG09
Species / Strain			Mouse / Multi-strain	Mouse / Multi-strain	Mouse / Multi-strain	Mouse / Multi-strain	Mouse / Multi-strain
<b>I) Virology Screening (Note 1)</b>			<b>Result (Note 3)</b>				
	<b>Testing Lab (Note 2)</b>	<b>Test Method (Note 2)</b>					
Ectromelia Virus [ECTRO]	CRL	MFIA	0 / 3	0 / 3	0 / 3	/	/
Hantaan Virus [HANT]			0 / 3	0 / 3	0 / 3	/	/
Lactate Dehydrogenase Elevating Virus [LDV]			0 / 3	0 / 3	0 / 3	/	/
Lymphocytic Choriomeningitis Virus [LCMV]			0 / 3	0 / 3	0 / 3	/	/
Mouse Adenovirus (includes MAd 1 & 2) [MAV]			0 / 3	0 / 3	0 / 3	/	/
Mouse Cytomegalovirus [MCMV]			0 / 3	0 / 3	0 / 3	/	/
Mouse Hepatitis Virus [MHV]			0 / 23	0 / 23	0 / 23	0 / 18	0 / 18
Mouse Norovirus [MNV]			9 / 9	9 / 9	9 / 9	6 / 6	6 / 6
Mouse Parvovirus rNS-1 [rNS-1]			0 / 9	0 / 9	0 / 9	0 / 6	0 / 6
Mouse Parvovirus (Type 1, 2, 5) [MPV 1, 2, 5]			0 / 9	0 / 9	0 / 9	0 / 6	0 / 6
Minute Virus of Mice [MVM]			0 / 9	0 / 9	0 / 9	0 / 6	0 / 6
Mouse Thymic Virus [MTLV]			0 / 3	0 / 3	0 / 3	/	/
Pneumonia Virus of Mice [PVM]			0 / 3	0 / 3	0 / 3	/	/
Polyoma Virus [POLY]			0 / 3	0 / 3	0 / 3	/	/
Mouse Pneumonitis Virus [K]			0 / 3	0 / 3	0 / 3	/	/
Reovirus Type 3 [REO]			0 / 3	0 / 3	0 / 3	/	/
Mouse Rotavirus-A (Epizootic Diarrhea of Infant Mice Virus)			0 / 9	0 / 9	0 / 9	0 / 6	0 / 6
Sendai Virus [SEND]			0 / 3	0 / 3	0 / 3	/	/
Theiler's Murine Encephalomyelitis Virus [TMEV / GDVII]			0 / 9	0 / 9	0 / 9	0 / 6	0 / 6
<b>II) Bacteriological Screening (Note 1)</b>							
<i>Bordetella bronchiseptica</i>	Unit Lab	Culture	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Bordetella hinzii</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Burkholderia cepacia</i>	CRL	MFIA	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Cilia Associated Respiratory bacillus [CARB]</i>			0 / 3	0 / 3	0 / 3	/	/
<i>Citrobacter rodentium</i>	Unit Lab	Culture	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Clostridium piliforme (Tyzzer's bacillus)</i>	CRL	MFIA	0 / 3	0 / 3	0 / 3	/	/
<i>Corynebacterium bovis</i>	Unit Lab	Culture	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Corynebacterium kutscheri</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Escherichia coli, β-haemolytic</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Haemophilus spp.</i>			0 / 4	0 / 4	1 / 8	0 / 4	0 / 4
<i>Haemophilus parainfluenzae</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Helicobacter Bilis [HBB]</i>	CRL	PCR	/	/	/	/	/
<i>Helicobacter Ganmani [HBG]</i>			/	/	/	/	/
<i>Helicobacter Hepaticus [HBH]</i>			/	/	/	/	/
<i>Helicobacter Mastomvyrinus [HBM]</i>			/	/	/	/	/
<i>Helicobacter Rodentium [HBR]</i>			/	/	/	/	/
<i>Helicobacter Typhlonius [HBT]</i>			/	/	/	/	/
<i>Klebsiella oxytoca</i>			Unit Lab	Culture	0 / 4	0 / 4	0 / 8
<i>Klebsiella pneumoniae</i>	CRL	MFIA	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Mycoplasma pulmonis [MPUL]</i>			0 / 3	0 / 3	0 / 3	/	/
<i>Pasteurella spp.</i>	Unit Lab	Culture	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Pasteurella haemolytica</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Pasteurella multocida</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Pasteurella pneumotropica</i>			2 / 4	0 / 4	4 / 8	0 / 4	0 / 4
<i>Proteus spp.</i>			0 / 4	0 / 4	0 / 8	0 / 4	1 / 4
<i>Proteus mirabilis</i>	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4		
<i>Pseudomonas spp.</i>	Unit Lab	Culture	0 / 4	0 / 4	1 / 8	0 / 4	0 / 4
<i>Pseudomonas aeruginosa</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Pseudomonas putida</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Salmonella spp.</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Staphylococcus aureus</i>			2 / 4	0 / 4	2 / 8	0 / 4	0 / 4
<i>Stenotrophomonas maltophilia</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Streptobacillus moniliformis</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Streptococcus pneumoniae</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Streptococcus spp. b - haemolytic Lancefield group A</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Streptococcus spp. b - haemolytic Lancefield group B</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Streptococcus spp. b - haemolytic Lancefield group C</i>	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4		
<i>Streptococcus spp. b - haemolytic Lancefield group D</i>	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4		
<i>Streptococcus spp. b - haemolytic Lancefield group F</i>	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4		
<i>Streptococcus spp. b - haemolytic Lancefield group G</i>	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4		
<b>III) Mycological Screening (Note 1)</b>							
Dermatophytes	Unit Lab	Culture	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<b>IV) Parasitological Screening (Note 1)</b>							
<b>Ecto-parasites</b>							
Fleas, Mites and Lice	Unit Lab	Microscopic	0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<b>Endo-parasites</b>							
<i>Helminths</i>	Unit Lab	Microscopic	0 / 13	0 / 13	0 / 17	0 / 11	0 / 11
<i>Pinworm</i>			0 / 13	0 / 13	0 / 17	0 / 11	0 / 11
<i>Aspiculuris tetraptera</i>			0 / 13	0 / 13	0 / 17	0 / 11	0 / 11
<i>Syphacia spp.</i>			0 / 13	0 / 13	0 / 17	0 / 11	0 / 11
<i>Cryptosporidium</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Entamoeba spp.</i>			4 / 4	2 / 4	7 / 8	0 / 4	1 / 4
<i>Eimeria spp.</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Giardia spp.</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Spiroplasma spp.</i>			0 / 4	0 / 4	0 / 8	0 / 4	0 / 4
<i>Trichomonads</i>			4 / 4	1 / 4	8 / 8	0 / 4	3 / 4

Note :-

- Microbes were screened from clinically healthy sentinel (using soiled bedding exposure method) or resident animals for routine health monitoring from each breeding room or experimental holding room.
  - 3 sentinel animals for Serology screening [antibody testing] quarterly and PCR test on *Streptobacillus moniliformis* for each animal room biennial.
  - 4 sentinel animals for Bacteriology, Mycology & Parasitology screening 6-monthly
  - Fecal pellets of resident animals for PCR test on *Helicobacter spp.* were screened for each animal room biennial
- Abbreviations: CRL = Charles River Laboratories, USA; MFIA = Multiplexed Fluorometric ImmunoAssay (antibody testing) PCR = Polymerase Chain Reaction
- Result = Total no. of positive / Total no. of samples " / " = Test not done