

National Laboratory Animal Center, Mahidol University (NLAC-MU)

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Health Monitoring Report for Specific Pathogen Free; SPF Animals

“SPF animals from NLAC-MU colony have been maintained in maximum barrier facilities, required the superior status or above, by well trained personnel and laboratory animal caretakers, under supervision of the qualified veterinarian. In-house health monitoring is quarterly provided by the Quality Control which is the short panel. The long panel is annually performed by reliable, international warrantable diagnostic laboratory. The microbiological lists for the short panel and long panel are notified in Specific pathogens list and category (available on NLAC-MU website)”

This report is issued to on..... and is applied as health status indication of the following laboratory animals, supplied by the NLAC-MU barrier control facility.

MOUSE

The SPF animals described here are **BALB/cMlac-nu** mice. These following specific pathogens are subjected in term of our **short panel** which are somewhat categorized by their microbiological risk. For more information of the long panel's serology results see **Short panel's Serological Report**.

Pathogens	Test method	Group Sampling	Frequency	Previous Test Results*	
				Oct 16 - Jun 17	Jul 17 - Sep 17
VIRUSES					
Sendai virus (SEND)	MFIA/ ELISA	Sentinel/Random	Annually	NA	NA
	ELISA	Sentinel/Random	Quarterly	0/1	NA
Mouse hepatitis virus (MHV)	MFIA/ ELISA	Sentinel/Random	Annually	NA	NA
	ELISA	Sentinel/Random	Quarterly	0/1	NA
BACTERIA					
<i>Mycoplasma pulmonis</i> (MPUL)	MFIA/ ELISA	Sentinel/Random	Annually	NA	NA
	ELISA	Sentinel/Random	Quarterly	0/1	NA
	Cultivation	Sentinel/Random	Quarterly	0/18	0/4
<i>Clostridium piliforme</i>	ELISA	Sentinel/Random	Quarterly	0/1	NA
<i>Salmonella spp</i>	Cultivation	Sentinel/Random	Quarterly	0/18	0/4
<i>Citrobacter rodentium</i>	Cultivation	Sentinel/Random	Quarterly	0/18	0/4
<i>Corynebacterium kutscheri</i>	Cultivation	Sentinel/Random	Quarterly	0/18	0/4
<i>Pasteurella pneumotropica</i>	Cultivation	Sentinel/Random	Quarterly	0/18	0/4
<i>Streptococcus pneumoniae</i>	Cultivation	Sentinel/Random	Quarterly	0/18	0/4
<i>Pseudomonas aeruginosa</i>	Cultivation	Sentinel/Random	Quarterly	0/18	2/4
<i>Staphylococcus aureus</i>	Cultivation	Sentinel/Random	Quarterly	0/18	0/4



Pathogens	Test method	Group Sampling	Frequency	Previous Test Results*	Latest Results**
				Oct 16 - Jun 17	Jul 17 - Sep 17
FUNGI					
Dermatophytes	Cultivation	Sentinel/Random	Quarterly	0/18	0/4
PARASITES					
<i>Giardia muris</i>	Microscopy	Sentinel/Random	Quarterly	0/18	0/4
<i>Spiromucleus muris</i>	Microscopy	Sentinel/Random	Quarterly	0/18	0/4
<i>Syphacia spp.</i>	Microscopy	Sentinel/Random	Quarterly	0/18	0/4
Ectoparasites	Microscopy	Sentinel/Random	Quarterly	0/18	0/4

Ranking of the current status

Superior

Excellent

Good

Remarks: Microbiology was performed by cultivation methods. The results revealed that *Pseudomonas aeruginosa* was isolated (50%) with no clinical signs of disease and no other significant organism isolated.

Superior is no positive result in all categories, **excellent** is no positive result of pathogens in Category A, B, C and E, **good** is no positive result of pathogens in category A, B and E.

* The test results are represented in the **number of positive samples / number of tested samples**

** Optional testing

NA= Not Available

ELISA=Enzyme-linked Immunosorbent Assay

IFA= Indirect fluorescent antibody

MFIA= Multiplexed Fluorometric ImmunoAssay

ND = Not done

- Latest In-house ELISA testing results were added by this report.

Signature: _____, DVM

Veterinarian

Signature: _____

NLAC-MU Director