

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

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Health Monitoring Report

“Monitored animals from NLAC-MU colony have been maintained in Low barrier facilities, required the excellent status or above well trained personnel and laboratory animal caretakers, under supervision of the qualified veterinarian. In-house health monitoring is quarterly provided by the Quality Control. The microbiological lists are notified in Specific pathogens list and category (available on NLAC-MU website)”

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

Animal: **Rat** Species: ***Rattus norvegicus*** Outbred stock: **SHR/Kyo**

Pathogens	Test method	Group Sampling	Frequency	Historical results* Jan 24 – Dec 24	Previous Results* Oct 24 – Dec 24	Latest Results* Jan 25 – Mar 25
VIRUSES						
Hantaviruses	ELISA/IFA	Random	Annually	NA	NA	NA
Sialodacryoadenitis virus	ELISA/IFA	Random	Quarterly	NA	NA	0/6
Sendai virus (SEND)	ELISA/IFA	Random	Quarterly	NA	NA	0/6
BACTERIA						
<i>Bordetella bronchiseptica</i>	Cultivation	Random	Quarterly	0/48	0/12	0/6
<i>Clostridium piliforme</i>	ELISA/IFA	Random	Quarterly	NA	NA	0/6
<i>Corynebacterium kutscheri</i>	Cultivation	Random	Quarterly	0/48	0/12	0/6
<i>Klebsiella oxytoca</i>	Cultivation	Random	Quarterly	0/30	0/12	0/6
<i>Klebsiella pneumoniae</i>	Cultivation	Random	Quarterly	0/30	0/12	0/6
<i>Mycoplasma pulmonis</i>	Cultivation	Random	Quarterly	0/48	0/12	0/6
	ELISA/IFA	Random	Quarterly	NA	NA	0/6
<i>Pasteurella multocida</i>	Cultivation	Random	Quarterly	0/30	0/12	0/6
<i>Pasteurella pneumotropica</i>	Cultivation	Random	Quarterly	40/48	11/12	5/6
<i>Pseudomonas aeruginosa</i>	Cultivation	Random	Quarterly	0/48	0/12	0/6
<i>Salmonella spp.</i>	Cultivation	Random	Quarterly	0/48	0/12	0/6
<i>Staphylococcus aureus</i>	Cultivation	Random	Quarterly	0/48	0/12	0/6

Pathogens	Test method	Group Sampling	Frequency	Historical results* Jan 24 – Dec 24	Previous Results* Oct 24 – Dec 24	Latest Results* Jan 25 – Mar25
<i>Streptococci β-haemolytic</i> (not group D)	Cultivation	Random	Quarterly	0/30	0/12	0/6
<i>Streptobacillus moniliformis</i>	PCR	Random	Quarterly	NA	NA	0/6
	Cultivation	Random	Quarterly	0/30	0/12	0/6
<i>Streptococcus pneumoniae</i>	Cultivation	Random	Quarterly	0/48	0/12	0/6
FUNGI						
Dermatophytes	Cultivation	Random	Quarterly	0/48	0/12	0/6
<i>Pneumocystis carinii</i>	PCR	Random	Annually	NA	NA	0/6
PARASITES						
Ectoparasites	Microscopy	Random	Quarterly	0/48	0/12	0/6
Endoparasites	Microscopy	Random	Quarterly	0/48	0/12	0/6

Ranking of the current status

☐

Superior

☒

Excellent

☐

Good

Remarks:

The results revealed that *Pasteurella pneumotropica* was isolated (83.33%) 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

PCR=Polymerase Chain Reaction

Last version: January 2025

Signature: _____, DVM

Veterinarian

Signature: _____

NLAC-MU Director