

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: **Mlac:SD**

Pathogens	Test method	Group	Frequency	Historical results*	Previous Results*	Latest Results*
		Sampling		Jan 24 – Dec 24	Oct 24 – Dec 24	Jan 25 – Mar 25
VIRUSES						
Hantaviruses	ELISA/IFA	Random	Annually	NA	NA	0/10
Sialodacryoadenitis virus	ELISA/IFA	Random	Quarterly	NA	NA	0/10
Sendai virus (SEND)	ELISA/IFA	Random	Quarterly	NA	NA	0/10
BACTERIA						
<i>Bordetella bronchiseptica</i>	Cultivation	Random	Quarterly	0/40	NA	0/10
<i>Clostridium piliforme</i>	ELISA/IFA	Random	Quarterly	NA	NA	0/10
<i>Corynebacterium kutscheri</i>	Cultivation	Random	Quarterly	0/40	NA	0/10
<i>Klebsiella oxytoca</i>	Cultivation	Random	Quarterly	0/20	NA	0/10
<i>Klebsiella pneumoniae</i>	Cultivation	Random	Quarterly	0/20	NA	0/10
<i>Mycoplasma pulmonis</i>	Cultivation	Random	Quarterly	0/40	NA	0/10
	ELISA/IFA	Random	Quarterly	NA	NA	0/10
<i>Pasteurella multocida</i>	Cultivation	Random	Quarterly	0/20	NA	0/10
<i>Pasteurella pneumotropica</i>	Cultivation	Random	Quarterly	33/40	NA	10/10
<i>Pseudomonas aeruginosa</i>	Cultivation	Random	Quarterly	0/40	NA	0/10
<i>Salmonella spp.</i>	Cultivation	Random	Quarterly	0/40	NA	0/10
<i>Staphylococcus aureus</i>	Cultivation	Random	Quarterly	0/40	NA	0/10

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</i> β -haemolytic (not group D)	Cultivation	Random	Quarterly	0/20	NA	0/10
<i>Streptococcus moniliformis</i>	PCR	Random	Quarterly	NA	NA	0/10
	Cultivation	Random	Quarterly	0/20	NA	0/10
<i>Streptococcus pneumoniae</i>	Cultivation	Random	Quarterly	0/40	NA	0/10
FUNGI						
Dermatophytes	Cultivation	Random	Quarterly	0/40	NA	0/10
<i>Pneumocystis carinii</i>	PCR	Random	Annually	NA	NA	0/10
PARASITES						
Ectoparasites	Microscopy	Random	Quarterly	0/40	NA	0/10
Endoparasites	Microscopy	Random	Quarterly	0/40	NA	0/10

Ranking of the current status

☐ Superior

☒ Excellent

☐ Good

Remarks:

The results revealed that *Pasteurella pneumotropica* was isolated (100.00%) 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