

## 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 to .....on..... 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	Frequency	Historical results*	Previous Results*	Latest Results*
				Sampling	Jan 24 – Dec 24	Oct 24 – Dec 24
<b>VIRUSES</b>						
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	Frequency	Historical results*		Previous Results*	Latest Results*
				Sampling	Jan 24 – Dec 24		
<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
<b>FUNGI</b>							
Dermatophytes	Cultivation	Random	Quarterly	0/48	0/12		0/6
<i>Pneumocystis carinii</i>	PCR	Random	Annually	NA	NA		0/6
<b>PARASITES</b>							
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

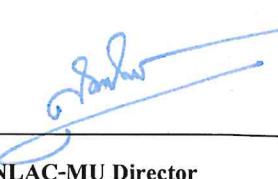
IFA= Indirect Fluorescent Antibody

PCR=Polymerase Chain Reaction

Last version: January 2025

Signature: , DVM

Veterinarian

Signature: 

NLAC-MU Director