

## 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*
				Oct 24 – Sep 25	Jul 25 – Sep 25	Oct – Dec 25
Sampling						
<b>VIRUSES</b>						
Hantaviruses	ELISA/IFA	Random	Annually	0/6	0/6	NA
Sialodacryoadenitis virus	ELISA/IFA	Random	Quarterly	0/18	0/6	0/6
Sendai virus (SEND)	ELISA/IFA	Random	Quarterly	0/18	0/6	0/6
<b>BACTERIA</b>						
<i>Bordetella bronchiseptica</i>	Cultivation	Random	Quarterly	0/30	0/6	0/6
<i>Clostridium piliforme</i>	ELISA/IFA	Random	Quarterly	0/18	0/6	0/6
<i>Corynebacterium kutscheri</i>	Cultivation	Random	Quarterly	0/30	0/6	0/6
<i>Klebsiella oxytoca</i>	Cultivation	Random	Quarterly	0/30	0/6	0/6
<i>Klebsiella pneumoniae</i>	Cultivation	Random	Quarterly	0/30	0/6	0/6
<i>Mycoplasma pulmonis</i>	Cultivation	Random	Quarterly	0/30	0/6	0/6
	ELISA/IFA	Random	Quarterly	0/18	0/6	0/6
<i>Pasteurella multocida</i>	Cultivation	Random	Quarterly	0/30	0/6	0/6
<i>Pasteurella pneumotropica</i>	Cultivation	Random	Quarterly	26/30	6/6	5/6
<i>Pseudomonas aeruginosa</i>	Cultivation	Random	Quarterly	0/30	0/6	0/6
<i>Salmonella spp.</i>	Cultivation	Random	Quarterly	0/30	0/6	0/6

Pathogens	Test method	Group Sampling	Frequency	Historical results*	Previous Results*	Latest Results*
				Oct 24 – Sep 25	Jul 25 – Sep 25	Oct 25 – Dec 25
<i>Streptococci β-haemolytic</i> (not group D)	Cultivation	Random	Quarterly	0/30	0/6	0/6
<i>Streptobacillus moniliformis</i>	PCR	Random	Quarterly	0/18	0/6	0/6
	Cultivation	Random	Quarterly	0/18	0/6	0/6
<i>Streptococcus pneumoniae</i>	Cultivation	Random	Quarterly	0/30	0/6	0/6
<b>FUNGI</b>						
Dermatophytes	Cultivation	Random	Quarterly	0/30	0/6	0/6
<i>Pneumocystis carinii</i>	PCR	Random	Annually	0/6	NA	NA
<b>PARASITES</b>						
Ectoparasites	Microscopy	Random	Quarterly	0/30	0/6	0/6
Endoparasites	Microscopy	Random	Quarterly	0/30	0/6	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: This method is an optional testing from routine method.

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