

## 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 **C57BL/6Mlac -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 - Dec 16        | Jan 17 - Mar 17 |
| <b>VIRUSES</b>                    |             |                 |           |                        |                 |
| Sendai virus (SEND)               | MFIA/ ELISA | Sentinel/Random | Annually  | NA                     | NA              |
|                                   | ELISA       | Sentinel/Random | Quarterly | NA                     | NA              |
| Mouse hepatitis virus (MHV)       | MFIA/ ELISA | Sentinel/Random | Annually  | NA                     | NA              |
|                                   | ELISA       | Sentinel/Random | Quarterly | NA                     | NA              |
| <b>BACTERIA</b>                   |             |                 |           |                        |                 |
| <i>Mycoplasma pulmonis</i> (MPUL) | MFIA/ ELISA | Sentinel/Random | Annually  | NA                     | NA              |
|                                   | ELISA       | Sentinel/Random | Quarterly | NA                     | NA              |
|                                   | Cultivation | Sentinel/Random | Quarterly | 0/4                    | 0/2             |
| <i>Clostridium piliforme</i>      | ELISA       | Sentinel/Random | Quarterly | NA                     | NA              |
| <i>Salmonella spp</i>             | Cultivation | Sentinel/Random | Quarterly | 0/4                    | 0/2             |
| <i>Citrobacter rodentium</i>      | Cultivation | Sentinel/Random | Quarterly | 0/4                    | 0/2             |
| <i>Corynebacterium kutscheri</i>  | Cultivation | Sentinel/Random | Quarterly | 0/4                    | 0/2             |
| <i>Pasteurella pneumotropica</i>  | Cultivation | Sentinel/Random | Quarterly | 0/4                    | 0/2             |
| <i>Streptococcus pneumoniae</i>   | Cultivation | Sentinel/Random | Quarterly | 0/4                    | 0/2             |
| <i>Pseudomonas aeruginosa</i>     | Cultivation | Sentinel/Random | Quarterly | 0/4                    | 0/2             |
| <i>Staphylococcus aureus</i>      | Cultivation | Sentinel/Random | Quarterly | 0/4                    | 0/2             |



| Pathogens                 | Test method | Group Sampling  | Frequency | Previous Test Results* | Latest Results** |
|---------------------------|-------------|-----------------|-----------|------------------------|------------------|
|                           |             |                 |           | Oct 16 - Dec 16        | Jan 17 - Mar 17  |
| <b>FUNGI</b>              |             |                 |           |                        |                  |
| Dermatophytes             | Cultivation | Sentinel/Random | Quarterly | 0/4                    | 0/2              |
| <b>PARASITES</b>          |             |                 |           |                        |                  |
| <i>Giardia muris</i>      | Microscopy  | Sentinel/Random | Quarterly | 0/4                    | 0/2              |
| <i>Spiromucleus muris</i> | Microscopy  | Sentinel/Random | Quarterly | 0/4                    | 0/2              |
| <i>Syphacia spp.</i>      | Microscopy  | Sentinel/Random | Quarterly | 0/4                    | 0/2              |
| Ectoparasites             | Microscopy  | Sentinel/Random | Quarterly | 0/4                    | 0/2              |

**Ranking of the current status**

Superior

Excellent

Good

**Remarks:**

**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