

# National Yang-Ming University Laboratory Animal Center

## Animal Healthy Report (1st quarter 2017)

Animal Area: Production area C3

Species: Mouse

Date: 2017.4.10

|   | Sample    | Method   | 1st quarter<br>2017 | 4th quarter<br>2016 | 3rd quarter<br>2016 | 2nd quarter<br>2016 |
|---|-----------|----------|---------------------|---------------------|---------------------|---------------------|
| <b>VIRUS</b>                              |           |          |                     |                     |                     |                     |
| Sendai virus (SEND)                       | Serum     | Serology | N/A                 | N/A                 | N/A                 | N/A                 |
| Mouse hepatitis virus (MHV)               | Serum     | Serology | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| Mouse adenovirus (MAd)                    | Serum     | Serology | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| Hantann virus (HANT)                      | Serum     | Serology | 0/4                 | N/A                 | N/A                 | N/A                 |
| Pneumonia virus of mice (PVM)             | Serum     | Serology | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| Minute virus of mice (MVM)                | Serum     | Serology | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| Lymphocytic choriomeningitis virus (LCMV) | Serum     | Serology | 0/4                 | N/A                 | N/A                 | N/A                 |
| Ectromelia virus (Pox virus)              | Serum     | Serology | N/A                 | N/A                 | N/A                 | N/A                 |
| GD7                                       | Serum     | Serology | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| Reovirus Type 3 (Reo-3)                   | Serum     | Serology | N/A                 | N/A                 | N/A                 | N/A                 |
| Mouse parvovirus (MPV)                    | Serum     | Serology | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| Mouse norovirus (MNV)                     | Serum     | Serology | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <b>MICROBIOLOGY</b>                       |           |          |                     |                     |                     |                     |
| <i>Mycoplasma pulmonis (Mpul)</i>         | Serum     | Serology | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <i>Clostridium piliforme (CPIL)</i>       | Serum     | Serology | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <i>Bordetella bronchiseptica</i>          | Trachea   | Culture  | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <i>Corynebacterium kutscheri</i>          | Trachea   | Culture  | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <i>Pseudomonas aeruginosa</i>             | Trachea   | Culture  | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <i>Salmonella species</i>                 | Intestine | Culture  | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <i>Citrobacter rodentium</i>              | Intestine | Culture  | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <i>Helicobacter spp.</i>                  | Cecum     | PCR      | 1/4                 | 0/10                | N/A                 | 0/4                 |
| <b>PARASITOLOGY</b>                       |           |          |                     |                     |                     |                     |
| Pineworms, e.g., <i>Syphacia species</i>  | Feces     | Micro    | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <i>Giardia spp.</i>                       | Duodenum  | S/F      | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <i>Trichomonads</i>                       | Cecum     | S/F      | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| Entamoeba spp.                            | Cecum     | S/F      | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| Ectoparasites (flea, lice, mites)         | Fur       | visual   | 0/4                 | 0/4                 | N/A                 | 0/4                 |
| <b>HISTOLOGY</b>                          |           |          |                     |                     |                     |                     |
| Non specific founding                     |           |          |                     |                     |                     |                     |

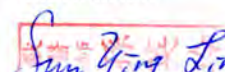
Director of Laboratory Animal Center

 *Chunmy CHEN*

Chief of Veterinary Services

*J. S. Lee*

Veterinarian

 *Jun Gong LING*

\*N/A: not available, S/F: Sedimentation/Flotation

 *Wenchi CHANG*

Laboratory Animal Center, National Yang-Ming University

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# National Yang-Ming University Laboratory Animal Center

## Animal Healthy Report (1st quarter 2017)

Animal Area: Barrier system area B1, B2, B3, B4, B5, B6, A5,A6

Species: Mouse

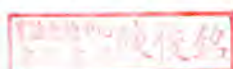
Date: 2017.4.10

|   | Sample    | Method   | 1st quarter<br>2017   | 4th quarter<br>2016 | 3rd quarter<br>2016 | 2nd quarter<br>2016 |
|---|-----------|----------|-----------------------|---------------------|---------------------|---------------------|
| <b>VIRUS</b>                              |           |          |                       |                     |                     |                     |
| Sendai virus (SEND)                       | Serum     | Serology | N/A                   | N/A                 | 0/32                | N/A                 |
| Mouse hepatitis virus (MHV)               | Serum     | Serology | 0/32                  | 0/32                | 0/32                | 0/32                |
| Mouse adenovirus (MAd)                    | Serum     | Serology | 0/32                  | 0/32                | 0/32                | 0/32                |
| Hantann virus (HANT)                      | Serum     | Serology | 0/32                  | N/A                 | 0/32                | N/A                 |
| Pneumonia virus of mice (PVM)             | Serum     | Serology | 0/32                  | 0/32                | 0/32                | 0/32                |
| Minute virus of mice (MVM)                | Serum     | Serology | 0/32                  | 0/32                | 0/32                | 0/32                |
| Lymphocytic choriomeningitis virus (LCMV) | Serum     | Serology | 0/32                  | N/A                 | 0/32                | N/A                 |
| Ectromelia virus (Pox virus)              | Serum     | Serology | N/A                   | N/A                 | 0/32                | N/A                 |
| GD7                                       | Serum     | Serology | 0/32                  | 0/32                | 0/32                | 0/32                |
| Reovirus Type 3 (Reo-3)                   | Serum     | Serology | N/A                   | N/A                 | 0/32                | N/A                 |
| Mouse parvovirus (MPV)                    | Serum     | Serology | 0/32                  | 0/32                | 0/32                | 0/32                |
| Mouse norovirus (MNV)                     | Serum     | Serology | 18/32 <sup>a</sup>    | 22/32               | 26/32               | 20/32               |
| <b>MICROBIOLOGY</b>                       |           |          |                       |                     |                     |                     |
| <i>Mycoplasma pulmonis (Mpul)</i>         | Serum     | Serology | 0/32                  | 0/32                | 0/32                | 0/32                |
| <i>Clostridium piliforme (CPIL)</i>       | Serum     | Serology | 0/32                  | 0/32                | 0/32                | 0/32                |
| <i>Bordetella bronchiseptica</i>          | Trachea   | Culture  | 0/32                  | 0/32                | 0/32                | 0/32                |
| <i>Corynebacterium kutscheri</i>          | Trachea   | Culture  | 0/32                  | 0/32                | 0/32                | 0/32                |
| <i>Pseudomonas aeruginosa</i>             | Trachea   | Culture  | 0/32                  | 0/32                | 0/32                | 0/32                |
| <i>Salmonella species</i>                 | Intestine | Culture  | 0/32                  | 0/32                | 0/32                | 0/32                |
| <i>Citrobacter rodentium</i>              | Intestine | Culture  | 0/32                  | 0/32                | 0/32                | 0/32                |
| <i>Helicobacter spp.</i>                  | Cecum     | PCR      | 27/32 <sup>b</sup>    | 15/32               | 28/32               | 27/32               |
| <b>PARASITOLOGY</b>                       |           |          |                       |                     |                     |                     |
| Pineworms, e.g., <i>Syphacia species</i>  | Feces     | Micro    | 0/32                  | 0/32                | 0/32                | 0/32                |
| <i>Giardia spp.</i>                       | Duodenum  | S/F      | 0/32                  | 0/32                | 0/32                | 0/32                |
| <i>Trichomonads</i>                       | Cecum     | S/F      | 11/32 <sup>c</sup>    | 10/32               | 13/32               | 8/32                |
| Entamoeba spp.                            | Cecum     | S/F      | 0/32                  | 0/32                | 0/32                | 0/32                |
| Ectoparasites (flea, lice, mites)         | Fur       | visual   | 0/32                  | 0/32                | 0/32                | 0/32                |
| <b>HISTOLOGY</b>                          |           |          | Non specific founding |                     |                     |                     |

Director of Laboratory Animal Center

Chief of Veterinary Services

Veterinarian



*Chun-Ming Chen*

*J. S. Lee*

*Sun Yang Long*

*Wenchi Chang*

\*N/A: not available, S/F: Sedimentation/Flotation

a: B1(3/4), B2(1/4), B3(2/4), B4(4/4), B5(2/4), B6(2/4), A5(2/4), A6(2/4)

b: B1(4/4), B2(4/4), B3(3/4), B4(4/4), B5(4/4), B6(3/4), A5(2/4), A6(3/4)

c: B1(1/4), B2(0/4), B3(1/4), B4(3/4), B5(2/4), B6(1/4), A5(2/4), A6(1/4)

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# National Yang-Ming University Laboratory Animal Center

## Animal Healthy Report (1st quarter 2017)

Animal Area: Clean room R2, R3, R4,108, 110

Species: Mouse

Date: 2017.4.10

|   | Sample    | Method   | 1st quarter<br>2017 | 4th quarter<br>2016 | 3rd quarter<br>2016 | 2nd quarter<br>2016 |
|---|-----------|----------|---------------------|---------------------|---------------------|---------------------|
| <b>VIRUS</b>                              |           |          |                     |                     |                     |                     |
| Sendai virus (SEND)                       | Serum     | Serology | N/A                 | N/A                 | 0/20                | N/A                 |
| Mouse hepatitis virus (MHV)               | Serum     | Serology | 0/20                | 0/18                | 0/20                | 0/24                |
| Mouse adenovirus (MAd)                    | Serum     | Serology | 0/20                | 0/18                | 0/20                | 0/24                |
| Hantann virus (HANT)                      | Serum     | Serology | 0/20                | N/A                 | 0/20                | N/A                 |
| Pneumonia virus of mice (PVM)             | Serum     | Serology | 0/20                | 0/18                | 0/20                | 0/24                |
| Minute virus of mice (MVM)                | Serum     | Serology | 0/20                | 0/18                | 0/20                | 0/24                |
| Lymphocytic choriomeningitis virus (LCMV) | Serum     | Serology | 0/20                | N/A                 | 0/20                | N/A                 |
| Ectromelia virus (Pox virus)              | Serum     | Serology | N/A                 | N/A                 | 0/20                | N/A                 |
| GD7                                       | Serum     | Serology | 0/20                | 0/18                | 0/20                | 0/24                |
| Reovirus Type 3 (Reo-3)                   | Serum     | Serology | N/A                 | N/A                 | 0/20                | N/A                 |
| Mouse parvovirus (MPV)                    | Serum     | Serology | 0/20                | 0/18                | 0/20                | 0/24                |
| Mouse norovirus (MNV)                     | Serum     | Serology | 18/20 <sup>a</sup>  | 13/18               | 18/20               | 22/24               |
| <b>MICROBIOLOGY</b>                       |           |          |                     |                     |                     |                     |
| <i>Mycoplasma pulmonis (Mpul)</i>         | Serum     | Serology | 0/20                | 0/18                | 0/20                | 0/24                |
| <i>Clostridium piliforme (CPIL)</i>       | Serum     | Serology | 0/20                | 0/18                | 0/20                | 0/24                |
| <i>Bordetella bronchiseptica</i>          | Trachea   | Culture  | 0/20                | 0/18                | 0/20                | 0/24                |
| <i>Corynebacterium kutscheri</i>          | Trachea   | Culture  | 0/20                | 0/18                | 0/20                | 0/24                |
| <i>Pseudomonas aeruginosa</i>             | Trachea   | Culture  | 0/20                | 0/18                | 0/20                | 0/24                |
| <i>Salmonella species</i>                 | Intestine | Culture  | 0/20                | 0/18                | 0/20                | 0/24                |
| <i>Citrobacter rodentium</i>              | Intestine | Culture  | 0/20                | 0/18                | 0/20                | 0/24                |
| <i>Helicobacter spp.</i>                  | Cecum     | PCR      | 19/20 <sup>b</sup>  | 11/18               | 18/20               | 18/20               |
| <b>PARASITOLOGY</b>                       |           |          |                     |                     |                     |                     |
| Pineworms, e.g., <i>Syphacia species</i>  | Feces     | Micro    | 0/20                | 0/18                | 0/20                | 0/24                |
| <i>Giardia spp.</i>                       | Duodenum  | S/F      | 0/20                | 0/18                | 0/20                | 0/24                |
| <i>Trichomonads</i>                       | Cecum     | S/F      | 4/20 <sup>c</sup>   | 3/18                | 5/20                | 8/24                |
| Entamoeba spp.                            | Cecum     | S/F      | 0/20                | 0/18                | 0/20                | 0/24                |
| Ectoparasites (flea, lice, mites)         | Fur       | visual   | 0/20                | 0/18                | 0/20                | 0/24                |
| <b>HISTOLOGY</b>                          |           |          |                     |                     |                     |                     |
| Non specific founding                     |           |          |                     |                     |                     |                     |

Director of Laboratory Animal Center



*Chen Ming*

Chief of Veterinary Services

*J. S. Lee*

Veterinarian

*Sam Yung Ling*

*Wenchi Cheng*

\*N/A: not available, S/F: Sedimentation/Flotation

a: R2(3/4), R3(3/4), R4(4/4), 108(4/4), 110(4/4)

b: R2(4/4), R3(3/4), R4(4/4), 108(4/4), 110(4/4)

c: R2(1/4), R3(1/4), R4(1/4), 108(0/4), 110(1/4)

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# National Yang-Ming University Laboratory Animal Center

## Animal Healthy Report (1st quarter 2017)

Animal Area: Conventional room ER2, 106 , 107, B108(Lib), B120 and Quarantine room  
 Species: Mouse  
 Date: 2017.4.10

|   | Sample    | Method   | 1st quarter<br>2017   | 4th quarter<br>2016 | 3rd quarter<br>2016 | 2nd quarter<br>2016 |
|---|-----------|----------|-----------------------|---------------------|---------------------|---------------------|
| <b>VIRUS</b>                              |           |          |                       |                     |                     |                     |
| Sendai virus (SEND)                       | Serum     | Serology | N/A                   | N/A                 | 0/20                | N/A                 |
| Mouse hepatitis virus (MHV)               | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| Mouse adenovirus (MAd)                    | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| Hantann virus (HANT)                      | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| Pneumonia virus of mice (PVM)             | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| Minute virus of mice (MVM)                | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| Lymphocytic choriomeningitis virus (LCMV) | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| Ectromelia virus (Pox virus)              | Serum     | Serology | N/A                   | N/A                 | 0/20                | N/A                 |
| GD7                                       | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| Reovirus Type 3 (Reo-3)                   | Serum     | Serology | N/A                   | N/A                 | 0/20                | N/A                 |
| Mouse parvovirus (MPV)                    | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| Mouse norovirus (MNV)                     | Serum     | Serology | 16/20 <sup>a</sup>    | N/A                 | 18/20               | N/A                 |
| <b>MICROBIOLOGY</b>                       |           |          |                       |                     |                     |                     |
| <i>Mycoplasma pulmonis (Mpul)</i>         | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| <i>Clostridium piliforme (CPIL)</i>       | Serum     | Serology | 0/20                  | N/A                 | 0/20                | N/A                 |
| <i>Bordetella bronchiseptica</i>          | Trachea   | Culture  | 0/20                  | N/A                 | 0/20                | N/A                 |
| <i>Corynebacterium kutscheri</i>          | Trachea   | Culture  | 0/20                  | N/A                 | 0/20                | N/A                 |
| <i>Pseudomonas aeruginosa</i>             | Trachea   | Culture  | 0/20                  | N/A                 | 0/20                | N/A                 |
| <i>Salmonella species</i>                 | Intestine | Culture  | 0/20                  | N/A                 | 0/20                | N/A                 |
| <i>Citrobacter rodentium</i>              | Intestine | Culture  | 0/20                  | N/A                 | 0/20                | N/A                 |
| <i>Helicobacter spp.</i>                  | Cecum     | PCR      | 16/20 <sup>b</sup>    | N/A                 | 17/20               | N/A                 |
| <b>PARASITOLOGY</b>                       |           |          |                       |                     |                     |                     |
| Pineworms, e.g., <i>Syphacia species</i>  | Feces     | Micro    | 0/20                  | N/A                 | 0/20                | N/A                 |
| <i>Giardia spp.</i>                       | Duodenum  | S/F      | 0/20                  | N/A                 | 0/20                | N/A                 |
| <i>Trichomonads</i>                       | Cecum     | S/F      | 8/20 <sup>c</sup>     | N/A                 | 6/20                | N/A                 |
| Entamoeba spp.                            | Cecum     | S/F      | 0/20                  | N/A                 | 0/20                | N/A                 |
| Ectoparasites (flea, lice, mites)         | Fur       | visual   | 0/20                  | N/A                 | 0/20                | N/A                 |
| <b>HISTOLOGY</b>                          |           |          | Non specific founding |                     |                     |                     |

Director of Laboratory Animal Center

Chief of Veterinary Services

Veterinarian



*Chun Ming CHEN*

*J. S. Lee*

*Shun Ying Ling*  
*Wenlin Chang*

\*N/A: not available, S/F: Sedimentation/Flotation

a: ER2(4/4), 106(2/2), 107(3/4), B108(6/6), Q(0/2), B120(1/2)

b: ER2(4/4), 106(2/2), 107(4/4), B108(4/6), Q(0/2), B120(2/2)

c: ER2(1/4), 106(1/2), 107(2/4), B108(3/6), Q(0/2), B120(1/2)

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