

HEALTH MONITORING REPORT (February 2016)

Species: MICE

| Agents   | Area                     | A11   | A12   | A14   | A15                                   |
|--|--------------------------|---|---|---|---------------------------------------|
|  | Strains & Stocks         | CAnN.Cg-Foxn1 <sup>nu/nu</sup> /CrI:CrIj <sup>3</sup><br>CrIj:CD1-Foxn1 <sup>nu/nu</sup> <sup>3</sup> | CAnN.Cg-Foxn1 <sup>nu/nu</sup> /CrI:CrIj <sup>3</sup> | JAX <sup>®</sup> Mice Strain SJL/J<br>JAX <sup>®</sup> Mice Strain CBA/J<br>NC/NgaTndCrIj<br>CrI:CD1(ICR) | JAX <sup>®</sup> Mice Strain C57BL/6J |
|  | Test period<br>Technique | February 1 - 24   | February 1 - 24                                       | February 1 - 24   | February 1 - 24                       |
| <b>VIRUSES</b>   |                          |   |   |   |                                       |
| Sendai Virus <sup>1</sup> (m)                                    | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Pneumonia Virus of Mice <sup>1</sup> (m)                         | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Mouse Hepatitis Virus <sup>1</sup> (m)                           | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Minute Virus of Mice <sup>1</sup> (m)                            | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Mouse Parvovirus (1 or 2) <sup>1</sup> (m)                       | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Murine Norovirus <sup>1</sup> (m)                                | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (m)        | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Reovirus <sup>1</sup> (m)  | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (m)         | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)              | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Ectromelia Virus <sup>1</sup> (q)                                | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Mouse Adenovirus (1 or 2) <sup>1</sup> (q)                       | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Mouse Cytomegalovirus <sup>1</sup> (q)                           | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Mouse Pneumonitis Virus <sup>1</sup> (q)                         | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Polyoma Virus <sup>1</sup> (q)                                   | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Hantaan Virus <sup>1</sup> (q)                                   | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| Mouse Thymic Virus <sup>1</sup> (q)                              | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| <b>BACTERIA</b>  |                          |   |   |   |                                       |
| <i>Bordetella bronchiseptica</i> (m)                             | Culture                  | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Citrobacter rodentium</i> (m)                                 | Culture                  | 0/8   | 0/8   | 0/8   | 0/8                                   |
| <i>Corynebacterium kutscheri</i> (m)                             | Culture                  | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Pasteurella pneumotropica</i> (m)                             | Culture                  | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)                   | Culture                  | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Salmonella</i> spp. (m)                                       | Culture                  | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Streptococcus pneumoniae</i> (m)                              | Culture                  | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Staphylococcus aureus</i> <sup>2</sup> (m)                    | Culture                  | 0/12  | 0/12  | -   | -                                     |
| <i>Helicobacter hepaticus</i> (q)                                | PCR                      | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Helicobacter bilis</i> (q)                                    | PCR                      | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Helicobacter</i> spp. (q)                                     | PCR                      | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Streptobacillus moniliformis</i> (q)                          | PCR                      | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Mycoplasma pulmonis</i> <sup>1</sup> (m)                      | PCR/MFIA                 | 0/12  | 0/12  | 0/8   | 0/8                                   |
| <i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m) | Lesions/MFIA             | 0/12  | 0/12  | 0/12  | 0/12                                  |
| CAR bacillus <sup>1</sup> (q)                                    | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| <b>PARASITES AND FUNGI</b>                                       |                          |   |   |   |                                       |
| Ectoparasites (m)  | Direct Examination       | 0/12  | 0/12  | 0/8   | 0/8                                   |
| Pinworms (m)   | Direct Examination       | 0/12  | 0/12  | 0/12  | 0/12                                  |
| Gastrointestinal protozoa (m)                                    | Direct Examination       | 0/8   | 0/8   | 0/8   | 0/8                                   |
| <i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)                 | MFIA                     | 0/8   | 0/8   | 0/8   | 0/8                                   |
| <i>Pneumocystis</i> spp. <sup>2</sup> (q)                        | PCR                      | 0/4   | 0/4   | -   | -                                     |

Monitoring frequency: (m) monthly, (q) quarterly

Tested by Charles River Laboratories Japan, Inc.

Remarks: 1: Serology on immunocompetent animals from each colony  
2: Not considered as specific pathogens for immunocompetent strains  
3: Monitoring on both nu/nu and nu/+ mice

日本チャールス・リバー株式会社  
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HEALTH MONITORING REPORT (February 2016)

Species: MICE

| Agents   | Area                     | A23  | A24  | A25                                   |
|--|--------------------------|--|--|---------------------------------------|
|  | Strains & Stocks         | BALB/cAnNCrIrlj<br>DBA/2NCrIrlj<br>CD2F1/CrIrlj <sup>3</sup> | CAnN.Cg-Foxn1 <sup>nu</sup> /CrIrlj <sup>4</sup> | JAX <sup>®</sup> Mice Strain C57BL/6J |
|  | Test period<br>Technique | February 8 - 24  | February 1 - 24                                  | February 1 - 24                       |
| <b>VIRUSES</b>   |                          |  |  |                                       |
| Sendai Virus <sup>1</sup> (m)                                    | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Pneumonia Virus of Mice <sup>1</sup> (m)                         | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Mouse Hepatitis Virus <sup>1</sup> (m)                           | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Minute Virus of Mice <sup>1</sup> (m)                            | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Mouse Parvovirus (1 or 2) <sup>1</sup> (m)                       | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Murine Norovirus <sup>1</sup> (m)                                | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (m)        | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Reovirus <sup>1</sup> (m)  | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (m)         | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)              | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Ectromelia Virus <sup>1</sup> (q)                                | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Mouse Adenovirus (1 or 2) <sup>1</sup> (q)                       | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Mouse Cytomegalovirus <sup>1</sup> (q)                           | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Mouse Pneumonitis Virus <sup>1</sup> (q)                         | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Polyoma Virus <sup>1</sup> (q)                                   | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Hantaan Virus <sup>1</sup> (q)                                   | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| Mouse Thymic Virus <sup>1</sup> (q)                              | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| <b>BACTERIA</b>  |                          |  |  |                                       |
| <i>Bordetella bronchiseptica</i> (m)                             | Culture                  | 0/8  | 0/12   | 0/8                                   |
| <i>Citrobacter rodentium</i> (m)                                 | Culture                  | 0/8  | 0/8  | 0/8                                   |
| <i>Corynebacterium kutscheri</i> (m)                             | Culture                  | 0/8  | 0/12   | 0/8                                   |
| <i>Pasteurella pneumotropica</i> (m)                             | Culture                  | 0/8  | 0/12   | 0/8                                   |
| <i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)                   | Culture                  | 0/8  | 0/12   | 0/8                                   |
| <i>Salmonella</i> spp. (m)                                       | Culture                  | 0/8  | 0/12   | 0/8                                   |
| <i>Streptococcus pneumoniae</i> (m)                              | Culture                  | 0/8  | 0/12   | 0/8                                   |
| <i>Staphylococcus aureus</i> <sup>2</sup> (m)                    | Culture                  | -  | 0/12   | -                                     |
| <i>Helicobacter hepaticus</i> (q)                                | PCR                      | 0/8  | 0/12   | 0/8                                   |
| <i>Helicobacter bilis</i> (q)                                    | PCR                      | 0/8  | 0/12   | 0/8                                   |
| <i>Helicobacter</i> spp. (q)                                     | PCR                      | 0/8  | 0/12   | 0/8                                   |
| <i>Streptobacillus moniliformis</i> (q)                          | PCR                      | 0/8  | 0/12   | 0/8                                   |
| <i>Mycoplasma pulmonis</i> <sup>1</sup> (m)                      | PCR/MFIA                 | 0/8  | 0/12   | 0/8                                   |
| <i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m) | Lesions/MFIA             | 0/12   | 0/12   | 0/12                                  |
| CAR bacillus <sup>1</sup> (q)                                    | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| <b>PARASITES AND FUNGI</b>                                       |                          |  |  |                                       |
| Ectoparasites (m)  | Direct Examination       | 0/8  | 0/12   | 0/8                                   |
| Pinworms (m)   | Direct Examination       | 0/12   | 0/12   | 0/12                                  |
| Gastrointestinal protozoa (m)                                    | Direct Examination       | 0/8  | 0/8  | 0/8                                   |
| <i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)                 | MFIA                     | 0/8  | 0/8  | 0/8                                   |
| <i>Pneumocystis</i> spp. <sup>2</sup> (q)                        | PCR                      | -  | 0/4  | -                                     |

Monitoring frequency: (m) monthly, (q) quarterly

Remarks: 1: Serology on immunocompetent animals from each colony

2: Not considered as specific pathogens for immunocompetent strains

3: Not tested strains or stocks; monitoring on parents or other strains in the area

4: Monitoring on both *nu/nu* and *nu/+* mice

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Tested by Charles River Laboratories Japan, Inc.

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HEALTH MONITORING REPORT (February 2016)

Species: RATS

| Agents   | Area                     | A21  | A22             |
|--|--------------------------|--|-----------------|
|  | Strains & Stocks         | F344/DuCrIcrlj<br>ZDF- <i>Lepr</i> <sup>fa</sup> /CrIcrlj<br>CrIj:ZUC- <i>Lepr</i> <sup>fa</sup> | CrI:CD(SD)      |
|  | Test period<br>Technique | February 8 - 24  | February 8 - 24 |
| <b>VIRUSES</b>   |                          |  |                 |
| Sendai Virus <sup>1</sup> (m)                                    | MFIA                     | 0/8  | 0/8             |
| Pneumonia Virus of Mice <sup>1</sup> (m)                         | MFIA                     | 0/8  | 0/8             |
| Sialodacryoadenitis Virus <sup>1</sup> (m)                       | MFIA                     | 0/8  | 0/8             |
| Rat Minute Virus <sup>1</sup> (m)                                | MFIA                     | 0/8  | 0/8             |
| Rat Parvovirus <sup>1</sup> (m)                                  | MFIA                     | 0/8  | 0/8             |
| Toolan's H-1 Virus <sup>1</sup> (m)                              | MFIA                     | 0/8  | 0/8             |
| Kilham Rat Virus <sup>1</sup> (m)                                | MFIA                     | 0/8  | 0/8             |
| Reovirus <sup>1</sup> (m)  | MFIA                     | 0/8  | 0/8             |
| Rat Theilovirus <sup>1</sup> (m)                                 | MFIA                     | 0/8  | 0/8             |
| Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)              | MFIA                     | 0/8  | 0/8             |
| Mouse Adenovirus (1 or 2) <sup>1</sup> (q)                       | MFIA                     | 0/8  | 0/8             |
| Hantaan Virus <sup>1</sup> (q)                                   | MFIA                     | 0/8  | 0/8             |
| <b>BACTERIA</b>  |                          |  |                 |
| <i>Bordetella bronchiseptica</i> (m)                             | Culture                  | 0/8  | 0/8             |
| <i>Corynebacterium kutscheri</i> (m)                             | Culture                  | 0/8  | 0/8             |
| <i>Pasteurella pneumotropica</i> (m)                             | Culture                  | 0/8  | 0/8             |
| <i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)                   | Culture                  | 0/8  | 0/8             |
| <i>Salmonella</i> spp. (m)                                       | Culture                  | 0/8  | 0/8             |
| <i>Streptococcus pneumoniae</i> (m)                              | Culture                  | 0/8  | 0/8             |
| <i>Helicobacter hepaticus</i> (q)                                | PCR                      | 0/8  | 0/8             |
| <i>Helicobacter bilis</i> (q)                                    | PCR                      | 0/8  | 0/8             |
| <i>Helicobacter</i> spp. (q)                                     | PCR                      | 0/8  | 0/8             |
| <i>Streptobacillus moniliformis</i> (q)                          | PCR                      | 0/8  | 0/8             |
| <i>Mycoplasma pulmonis</i> <sup>1</sup> (m)                      | PCR/MFIA                 | 0/8  | 0/8             |
| <i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m) | Lesions/MFIA             | 0/12   | 0/12            |
| CAR bacillus <sup>1</sup> (q)                                    | MFIA                     | 0/8  | 0/8             |
| <b>PARASITES AND FUNGI</b>                                       |                          |  |                 |
| Ectoparasites (m)  | Direct Examination       | 0/8  | 0/8             |
| Pinworms (m)   | Direct Examination       | 0/12   | 0/12            |
| Gastrointestinal protozoa (m)                                    | Direct Examination       | 0/8  | 0/8             |
| <i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)                 | MFIA                     | 0/8  | 0/8             |
| <i>Pneumocystis</i> spp. <sup>1,3</sup> (m)                      | MFIA                     | 0/8  | 0/8             |

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: (m) monthly, (q) quarterly

Remarks: 1: Serology on immunocompetent animals from each colony  
2: Not considered as specific pathogens for immunocompetent strains  
3: Not included in the Specific Pathogen Free (SPF) lists

Species: MICE

| Agents   | Area                     | H12   | H22   | H23                             |
|--|--------------------------|---|---|---------------------------------|
|  | Strains & Stocks         | JAX® Mice Strain C57BL/6J<br>JAX® Mice Strain B6.Cg-Lep <sup>ob</sup> /J<br>JAX® Mice Strain BKS.Cg-Dock7 <sup>m</sup> +/+ Lep <sup>ob</sup> /J | CrI:CD1(ICR)<br>C57BL/6NCrI<br>C3H/HeNCrI<br>DBA/2NCrI<br>B6N-Tyrl <sup>-Brd</sup> /BrdCrCrI <sup>3</sup><br>B6D2F1/CrI <sup>3</sup><br>B6C3F1/CrI <sup>3</sup> | BALB/cAnNCrICrIj<br>DBA/1JNCrIj |
|  | Test period<br>Technique | February 3 - 24   | February 3 - 24   | February 3 - 24                 |
| <b>VIRUSES</b>   |                          |   |   |                                 |
| Sendai Virus <sup>1</sup> (m)                                    | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Pneumonia Virus of Mice <sup>1</sup> (m)                         | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Mouse Hepatitis Virus <sup>1</sup> (m)                           | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Minute Virus of Mice <sup>1</sup> (m)                            | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Mouse Parvovirus (1 or 2) <sup>1</sup> (m)                       | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Murine Norovirus <sup>1</sup> (m)                                | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (m)        | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Reovirus <sup>1</sup> (m)  | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (m)         | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)              | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Ectromelia Virus <sup>1</sup> (q)                                | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Mouse Adenovirus (1 or 2) <sup>1</sup> (q)                       | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Mouse Cytomegalovirus <sup>1</sup> (q)                           | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Mouse Pneumonitis Virus <sup>1</sup> (q)                         | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Polyoma Virus <sup>1</sup> (q)                                   | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Hantaan Virus <sup>1</sup> (q)                                   | MFIA                     | 0/8   | 0/8   | 0/8                             |
| Mouse Thymic Virus <sup>1</sup> (q)                              | MFIA                     | 0/8   | 0/8   | 0/8                             |
| <b>BACTERIA</b>  |                          |   |   |                                 |
| <i>Bordetella bronchiseptica</i> (m)                             | Culture                  | 0/8   | 0/8   | 0/8                             |
| <i>Citrobacter rodentium</i> (m)                                 | Culture                  | 0/8   | 0/8   | 0/8                             |
| <i>Corynebacterium kutscheri</i> (m)                             | Culture                  | 0/8   | 0/8   | 0/8                             |
| <i>Pasteurella pneumotropica</i> (m)                             | Culture                  | 0/8   | 0/8   | 0/8                             |
| <i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)                   | Culture                  | 0/8   | 0/8   | 0/8                             |
| <i>Salmonella</i> spp. (m)                                       | Culture                  | 0/8   | 0/8   | 0/8                             |
| <i>Streptococcus pneumoniae</i> (m)                              | Culture                  | 0/8   | 0/8   | 0/8                             |
| <i>Helicobacter hepaticus</i> (q)                                | PCR                      | 0/8   | 0/8   | 0/8                             |
| <i>Helicobacter bilis</i> (q)                                    | PCR                      | 0/8   | 0/8   | 0/8                             |
| <i>Helicobacter</i> spp. (q)                                     | PCR                      | 0/8   | 0/8   | 0/8                             |
| <i>Streptobacillus moniliformis</i> (q)                          | PCR                      | 0/8   | 0/8   | 0/8                             |
| <i>Mycoplasma pulmonis</i> <sup>1</sup> (m)                      | PCR/MFIA                 | 0/8   | 0/8   | 0/8                             |
| <i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m) | Lesions/MFIA             | 0/12  | 0/12  | 0/12                            |
| CAR bacillus <sup>1</sup> (q)                                    | MFIA                     | 0/8   | 0/8   | 0/8                             |
| <b>PARASITES AND FUNGI</b>                                       |                          |   |   |                                 |
| Ectoparasites (m)  | Direct Examination       | 0/8   | 0/8   | 0/8                             |
| Pinworms (m)   | Direct Examination       | 0/12  | 0/12  | 0/12                            |
| Gastrointestinal protozoa (m)                                    | Direct Examination       | 0/8   | 0/8   | 0/8                             |
| <i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)                 | MFIA                     | 0/8   | 0/8   | 0/8                             |

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: (m) monthly, (q) quarterly

Remarks: 1: Serology on immunocompetent animals from each colony

2: Not considered as specific pathogens for immunocompetent strains

3: Not tested strains or stocks; monitoring on parents or other strains in the area

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代表取締役社長 小林 功

HEALTH MONITORING REPORT (February 2016)

Printed date: February 26, 2016

Location: Hino Breeding Center

Species: RATS

| Agents   | Area                     | H11  | H13   | H21              |
|--|--------------------------|--|---|------------------|
|  | Strains & Stocks         | CrI:WI(Han)<br>SHR/NCrI:CrIj<br>WKY/NCrI:CrIj<br>CrIj:WI | LEW/CrI:CrIj<br>BN/CrI:CrIj<br>PCK/CrIjCrI-P <sup>ck</sup> /CrI:CrIj<br>CrIj:LE | CrI:CD(SD)       |
|  | Test period<br>Technique | February 10 - 24   | February 10 - 24  | February 10 - 24 |
| <b>VIRUSES</b>   |                          |  |   |                  |
| Sendai Virus <sup>1</sup> (m)                                    | MFIA                     | 0/8  | 0/8   | 0/8              |
| Pneumonia Virus of Mice <sup>1</sup> (m)                         | MFIA                     | 0/8  | 0/8   | 0/8              |
| Sialodacryoadenitis Virus <sup>1</sup> (m)                       | MFIA                     | 0/8  | 0/8   | 0/8              |
| Rat Minute Virus <sup>1</sup> (m)                                | MFIA                     | 0/8  | 0/8   | 0/8              |
| Rat Parvovirus <sup>1</sup> (m)                                  | MFIA                     | 0/8  | 0/8   | 0/8              |
| Toolan's H-1 Virus <sup>1</sup> (m)                              | MFIA                     | 0/8  | 0/8   | 0/8              |
| Kilham Rat Virus <sup>1</sup> (m)                                | MFIA                     | 0/8  | 0/8   | 0/8              |
| Reovirus <sup>1</sup> (m)  | MFIA                     | 0/8  | 0/8   | 0/8              |
| Rat Theilovirus <sup>1</sup> (m)                                 | MFIA                     | 0/8  | 0/8   | 0/8              |
| Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)              | MFIA                     | 0/8  | 0/8   | 0/8              |
| Mouse Adenovirus (1 or 2) <sup>1</sup> (q)                       | MFIA                     | 0/8  | 0/8   | 0/8              |
| Hantaan Virus <sup>1</sup> (q)                                   | MFIA                     | 0/8  | 0/8   | 0/8              |
| <b>BACTERIA</b>  |                          |  |   |                  |
| <i>Bordetella bronchiseptica</i> (m)                             | Culture                  | 0/8  | 0/8   | 0/8              |
| <i>Corynebacterium kutscheri</i> (m)                             | Culture                  | 0/8  | 0/8   | 0/8              |
| <i>Pasteurella pneumotropica</i> (m)                             | Culture                  | 0/8  | 0/8   | 0/8              |
| <i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)                   | Culture                  | 0/8  | 0/8   | 0/8              |
| <i>Salmonella</i> spp. (m)                                       | Culture                  | 0/8  | 0/8   | 0/8              |
| <i>Streptococcus pneumoniae</i> (m)                              | Culture                  | 0/8  | 0/8   | 0/8              |
| <i>Helicobacter hepaticus</i> (q)                                | PCR                      | 0/8  | 0/8   | 0/8              |
| <i>Helicobacter bilis</i> (q)                                    | PCR                      | 0/8  | 0/8   | 0/8              |
| <i>Helicobacter</i> spp. (q)                                     | PCR                      | 0/8  | 0/8   | 0/8              |
| <i>Streptobacillus moniliformis</i> (q)                          | PCR                      | 0/8  | 0/8   | 0/8              |
| <i>Mycoplasma pulmonis</i> <sup>1</sup> (m)                      | PCR/MFIA                 | 0/8  | 0/8   | 0/8              |
| <i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m) | Lesions/MFIA             | 0/12   | 0/12  | 0/12             |
| CAR bacillus <sup>1</sup> (q)                                    | MFIA                     | 0/8  | 0/8   | 0/8              |
| <b>PARASITES AND FUNGI</b>                                       |                          |  |   |                  |
| Ectoparasites (m)  | Direct Examination       | 0/8  | 0/8   | 0/8              |
| Pinworms (m)   | Direct Examination       | 0/12   | 0/12  | 0/12             |
| Gastrointestinal protozoa (m)                                    | Direct Examination       | 0/8  | 0/8   | 0/8              |
| <i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)                 | MFIA                     | 0/8  | 0/8   | 0/8              |
| <i>Pneumocystis</i> spp. <sup>1,3</sup> (m)                      | MFIA                     | 0/8  | 0/8   | 0/8              |

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: (m) monthly, (q) quarterly

Remarks: 1: Serology on immunocompetent animals from each colony  
2: Not considered as specific pathogens for immunocompetent strains  
3: Not included in the Specific Pathogen Free (SPF) lists

日本チャールス・リバー株式会社  
代表取締役社長 小林 功

HEALTH MONITORING REPORT (February 2016)

Printed date: February 26, 2016

Location: Tsukuba Breeding Center

Species: MICE

| Agents   | Area                     | T21 Isolator   | T21 Isolator  | T21 Isolator   |
|--|--------------------------|--|---|--|
|  | Strains & Stocks         | JAX <sup>®</sup> Mice Strain<br>NOD.Cg-Prkdc <sup>scid</sup> Il2rg <sup>tm1Wjl</sup> /SzJ<br>C3H/HeNcrCrlj (Sentinels) | Crlj:SHO-Prkdc <sup>scid</sup> H <sup>hr</sup><br>C3H/HeNcrCrlj (Sentinels) | CB17.Cg-Prkdc <sup>scid</sup> Lys1 <sup>bg-J</sup> /CrlCrlj<br>C3H/HeNcrCrlj (Sentinels) |
|  | Test period<br>Technique | February 1 - 25  | February 1 - 25   | February 1 - 25  |
| <b>VIRUSES</b>   |                          |  |   |  |
| Sendai Virus <sup>1</sup> (q)                                    | MFIA                     | 0/9  | 0/2   | 0/3  |
| Pneumonia Virus of Mice <sup>1</sup> (q)                         | MFIA                     | 0/9  | 0/2   | 0/3  |
| Mouse Hepatitis Virus <sup>1</sup> (q)                           | MFIA                     | 0/9  | 0/2   | 0/3  |
| Minute Virus of Mice <sup>1</sup> (q)                            | MFIA                     | 0/9  | 0/2   | 0/3  |
| Mouse Parvovirus (1 or 2) <sup>1</sup> (q)                       | MFIA                     | 0/9  | 0/2   | 0/3  |
| Murine Norovirus <sup>1</sup> (q)                                | MFIA                     | 0/9  | 0/2   | 0/3  |
| Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (q)        | MFIA                     | 0/9  | 0/2   | 0/3  |
| Reovirus <sup>1</sup> (q)  | MFIA                     | 0/9  | 0/2   | 0/3  |
| Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (q)         | MFIA                     | 0/9  | 0/2   | 0/3  |
| <b>BACTERIA</b>  |                          |  |   |  |
| <i>Bordetella bronchiseptica</i> (q)                             | Culture                  | 0/27   | 0/6   | 0/9  |
| <i>Citrobacter rodentium</i> (q)                                 | Culture                  | 0/18   | 0/4   | 0/6  |
| <i>Corynebacterium kutscheri</i> (q)                             | Culture                  | 0/27   | 0/6   | 0/9  |
| <i>Pasteurella pneumotropica</i> (q)                             | Culture                  | 0/27   | 0/6   | 0/9  |
| <i>Pseudomonas aeruginosa</i> (q)                                | Culture                  | 0/27   | 0/6   | 0/9  |
| <i>Salmonella</i> spp. (q)                                       | Culture                  | 0/27   | 0/6   | 0/9  |
| <i>Staphylococcus aureus</i> (q)                                 | Culture                  | 0/27   | 0/6   | 0/9  |
| <i>Streptococcus pneumoniae</i> (q)                              | Culture                  | 0/27   | 0/6   | 0/9  |
| <i>Mycoplasma pulmonis</i> <sup>1</sup> (q)                      | MFIA                     | 0/9  | 0/2   | 0/3  |
| <i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (q) | Lesions/MFIA             | 0/27   | 0/6   | 0/9  |
| <b>PARASITES AND FUNGI</b>                                       |                          |  |   |  |
| Ectoparasites (q)  | Direct Examination       | 0/27   | 0/6   | 0/9  |
| Pinworms (q)   | Direct Examination       | 0/27   | 0/6   | 0/9  |
| Gastrointestinal protozoa (q)                                    | Direct Examination       | 0/18   | 0/4   | 0/6  |
| <i>Pneumocystis</i> spp. (q)                                     | PCR                      | 0/9  | 0/2   | 0/3  |

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency of animals: (q) quarterly, (a) annually

Remarks: 1: Serology on immunocompetent animals from each colony

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日本チャールス・リバー株式会社  
代表取締役社長 小林 功

HEALTH MONITORING REPORT (February 2016)

Species: MICE

| Agents   | Area                     | T22 Isolator  |
|--|--------------------------|---|
|  | Strains & Stocks         | CB17/Icr-Prkdc <sup>scid</sup> /CrIcrlj<br>C3H/HeNcrlCrlj (Sentinels) |
|  | Test period<br>Technique | February 9 - 25   |
| <b>VIRUSES</b>   |                          |   |
| Sendai Virus <sup>1</sup> (q)                                    | MFIA                     | 0/10  |
| Pneumonia Virus of Mice <sup>1</sup> (q)                         | MFIA                     | 0/10  |
| Mouse Hepatitis Virus <sup>1</sup> (q)                           | MFIA                     | 0/10  |
| Minute Virus of Mice <sup>1</sup> (q)                            | MFIA                     | 0/10  |
| Mouse Parvovirus (1 or 2) <sup>1</sup> (q)                       | MFIA                     | 0/10  |
| Murine Norovirus <sup>1</sup> (q)                                | MFIA                     | 0/10  |
| Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (q)        | MFIA                     | 0/10  |
| Reovirus <sup>1</sup> (q)  | MFIA                     | 0/10  |
| Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (q)         | MFIA                     | 0/10  |
| <b>BACTERIA</b>  |                          |   |
| <i>Bordetella bronchiseptica</i> (q)                             | Culture                  | 0/30  |
| <i>Citrobacter rodentium</i> (q)                                 | Culture                  | 0/20  |
| <i>Corynebacterium kutscheri</i> (q)                             | Culture                  | 0/30  |
| <i>Pasteurella pneumotropica</i> (q)                             | Culture                  | 0/30  |
| <i>Pseudomonas aeruginosa</i> (q)                                | Culture                  | 0/30  |
| <i>Salmonella</i> spp. (q)                                       | Culture                  | 0/30  |
| <i>Staphylococcus aureus</i> (q)                                 | Culture                  | 0/30  |
| <i>Streptococcus pneumoniae</i> (q)                              | Culture                  | 0/30  |
| <i>Mycoplasma pulmonis</i> <sup>1</sup> (q)                      | MFIA                     | 0/10  |
| <i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (q) | Lesions/MFIA             | 0/30  |
| <b>PARASITES AND FUNGI</b>                                       |                          |   |
| Ectoparasites (q)  | Direct Examination       | 0/30  |
| Pinworms (q)   | Direct Examination       | 0/30  |
| Gastrointestinal protozoa (q)                                    | Direct Examination       | 0/20  |
| <i>Pneumocystis</i> spp. (q)                                     | PCR                      | 0/10  |

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency of animals: (q) quarterly, (a) annually

日本チャールス・リバー株式会社  
代表取締役社長 小林 功

Remarks: 1: Serology on immunocompetent animals from each colony

HEALTH MONITORING REPORT (February 2016)

Species: MICE

| Agents   | Area                     | T23 Isolator   |
|--|--------------------------|--|
|  | Strains & Stocks         | JAX <sup>®</sup> Mice Strain NOD.CB17-Prkdc <sup>scid</sup> /J<br>C3H/HeNCrCrj (Sentinels) |
|  | Test period<br>Technique | February 8 - 25  |
| <b>VIRUSES</b>   |                          |  |
| Sendai Virus <sup>1</sup> (q)                                    | MFIA                     | 0/7  |
| Pneumonia Virus of Mice <sup>1</sup> (q)                         | MFIA                     | 0/7  |
| Mouse Hepatitis Virus <sup>1</sup> (q)                           | MFIA                     | 0/7  |
| Minute Virus of Mice <sup>1</sup> (q)                            | MFIA                     | 0/7  |
| Mouse Parvovirus (1 or 2) <sup>1</sup> (q)                       | MFIA                     | 0/7  |
| Murine Norovirus <sup>1</sup> (q)                                | MFIA                     | 0/7  |
| Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (q)        | MFIA                     | 0/7  |
| Reovirus <sup>1</sup> (q)  | MFIA                     | 0/7  |
| Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (q)         | MFIA                     | 0/7  |
| <b>BACTERIA</b>  |                          |  |
| <i>Bordetella bronchiseptica</i> (q)                             | Culture                  | 0/21   |
| <i>Citrobacter rodentium</i> (q)                                 | Culture                  | 0/14   |
| <i>Corynebacterium kutscheri</i> (q)                             | Culture                  | 0/21   |
| <i>Pasteurella pneumotropica</i> (q)                             | Culture                  | 0/21   |
| <i>Pseudomonas aeruginosa</i> (q)                                | Culture                  | 0/21   |
| <i>Salmonella</i> spp. (q)                                       | Culture                  | 0/21   |
| <i>Staphylococcus aureus</i> (q)                                 | Culture                  | 0/21   |
| <i>Streptococcus pneumoniae</i> (q)                              | Culture                  | 0/21   |
| <i>Mycoplasma pulmonis</i> <sup>1</sup> (q)                      | MFIA                     | 0/7  |
| <i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (q) | Lesions/MFIA             | 0/21   |
| <b>PARASITES AND FUNGI</b>                                       |                          |  |
| Ectoparasites (q)  | Direct Examination       | 0/21   |
| Pinworms (q)   | Direct Examination       | 0/21   |
| Gastrointestinal protozoa (q)                                    | Direct Examination       | 0/14   |
| <i>Pneumocystis</i> spp. (q)                                     | PCR                      | 0/7  |

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency of animals: (q) quarterly, (a) annually

Remarks: 1: Serology on immunocompetent animals from each colony

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HEALTH MONITORING REPORT (February 2016)

Printed date: February 26, 2016  
Location: Tsukuba Breeding Center

Species: MICE (Fecal and Water Samples)

| Agents                           | Area                     | T21 Isolator   | T21 Isolator   | T21 Isolator  |
|----------------------------------|--------------------------|--|--|---|
|                                  | Strains & Stocks         | JAX <sup>®</sup> Mice Strain<br>NOD.Cg-Prkdc <sup>scid</sup> Il2rg <sup>tm1Wjl</sup> /SzJ<br>C3H/HeNCrCrIj (Sentinels) | CrIj:SHO-Prkdc <sup>scid</sup> Hr <sup>hr</sup><br>C3H/HeNCrCrIj (Sentinels) | CB17.Cg-Prkdc <sup>scid</sup> Lyst <sup>bg-J</sup> /CrIj<br>C3H/HeNCrCrIj (Sentinels) |
|                                  | Test period<br>Technique | February 8 - 25  | February 8 - 25  | February 8 - 25   |
| <b>BACTERIA</b>                  |                          |  |  |   |
| <i>Bordetella bronchiseptica</i> | Culture                  | 0/19   | 0/5  | 0/5   |
| <i>Citrobacter rodentium</i>     | Culture                  | 0/19   | 0/5  | 0/5   |
| <i>Corynebacterium kutscheri</i> | Culture                  | 0/19   | 0/5  | 0/5   |
| <i>Pasteurella pneumotropica</i> | Culture                  | 0/19   | 0/5  | 0/5   |
| <i>Pseudomonas aeruginosa</i>    | Culture                  | 0/19   | 0/5  | 0/5   |
| <i>Salmonella</i> spp.           | Culture                  | 0/19   | 0/5  | 0/5   |
| <i>Staphylococcus aureus</i>     | Culture                  | 0/19   | 0/5  | 0/5   |
| <i>Streptococcus pneumoniae</i>  | Culture                  | 0/19   | 0/5  | 0/5   |

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: Fecal and water samples of isolator-maintained animals are tested monthly.

HEALTH MONITORING REPORT (February 2016)

Printed date: February 26, 2016

Location: Tsukuba Breeding Center

Species: MICE (Fecal and Water Samples)

| Agents                           | Area                     | T22 Isolator  |
|----------------------------------|--------------------------|---|
|                                  | Strains & Stocks         | CB17/Icr-Prkdc <sup>scid</sup> /CrIcrlj<br>C3H/HeNCrIcrlj (Sentinels) |
|                                  | Test period<br>Technique | February 8 - 25   |
| <b>BACTERIA</b>                  |                          |   |
| <i>Bordetella bronchiseptica</i> | Culture                  | 0/21  |
| <i>Citrobacter rodentium</i>     | Culture                  | 0/21  |
| <i>Corynebacterium kutscheri</i> | Culture                  | 0/21  |
| <i>Pasteurella pneumotropica</i> | Culture                  | 0/21  |
| <i>Pseudomonas aeruginosa</i>    | Culture                  | 0/21  |
| <i>Salmonella</i> spp.           | Culture                  | 0/21  |
| <i>Staphylococcus aureus</i>     | Culture                  | 0/21  |
| <i>Streptococcus pneumoniae</i>  | Culture                  | 0/21  |

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: Fecal and water samples of isolator-maintained animals are tested monthly.

HEALTH MONITORING REPORT (February 2016)

Printed date: February 26, 2016  
Location: Tsukuba Breeding Center

Species: MICE (Fecal and Water Samples)

| Agents                           | Area                     | T23 Isolator   |
|----------------------------------|--------------------------|--|
|                                  | Strains & Stocks         | JAX <sup>®</sup> Mice Strain NOD.CB17-Prkdc <sup>scid</sup> /J<br>C3H/HeNCrIcrIj (Sentinels) |
|                                  | Test period<br>Technique | February 8 - 25  |
| <b>BACTERIA</b>                  |                          |  |
| <i>Bordetella bronchiseptica</i> | Culture                  | 0/21   |
| <i>Citrobacter rodentium</i>     | Culture                  | 0/21   |
| <i>Corynebacterium kutscheri</i> | Culture                  | 0/21   |
| <i>Pasteurella pneumotropica</i> | Culture                  | 0/21   |
| <i>Pseudomonas aeruginosa</i>    | Culture                  | 0/21   |
| <i>Salmonella</i> spp.           | Culture                  | 0/21   |
| <i>Staphylococcus aureus</i>     | Culture                  | 0/21   |
| <i>Streptococcus pneumoniae</i>  | Culture                  | 0/21   |

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: Fecal and water samples of isolator-maintained animals are tested monthly.