

# Health Certificates

## RIKEN BioResource Center

RIKEN BioResource Center adopts the sentinel mouse program, which is specialized for the micro isolator cage system. A sentinel mouse cage containing five mice is laid on a microisolator cage rack and small parts of used cage sheets from all cages of the rack are collected into the sentinel mouse cage every two weeks. Two mice from a sentinel cage are subjected to the examination bimonthly for our examination.

Our items to be examined are classified into four classes shown in the table below. All sentinel mice are tested under the class A and B. Sentinel mice kept in the room for immuno-deficient mice are screened on the class C as well. The class D contains a weak pathogen (MNV) or the certain pathogens that are believed not to exist in the Japanese mouse colonies hence mice are submitted to class D examination by request at recipient's charge.

Top of row of health report indicates the index code of the sentinel animals tested. First two letters mean the room number, and the last letter means the rack code.

For example;

If the index code is 3-1-A, the sentinel mouse tested is from the room "3-1" rack "A".

| Class | Microorganisms  |
|-------|---|
| A     | <i>C.piliforme</i> , Ectromelia virus, Hantaan virus, Lymphocytic choriomeningitis virus (LCMV), Mouse hepatitis virus (MHV), <i>M.pulmonis</i> , Sendai virus (HVJ)  |
| B     | <i>C.rodentium</i> , <i>C.kutscheri</i> , <i>F.rodentium</i> ('CAR bacillus') <i>P.pneumotropica</i> , <i>Salmonella</i> spp., <i>H.bilis</i> , <i>H.hepaticus</i> , Dermatophytes, Ectoparasites, Intestinal protozoa, Pinworms  |
| C     | <i>S.aureus</i> , <i>P.aeruginosa</i> , <i>P.murica</i>   |
| D     | Pneumonia virus of mice (PVM), Theiler's mouse encephalomyelitis virus (TMEV/GDVII), Mouse minute virus (MMV), Mouse parvovirus (MPV), Mouse polyoma virus (Poly), Reovirus type 3 (Reo3), Mouse adenovirus (MAV), Mouse rotavirus (EDIM), Mouse cytomegalovirus (MCMV), Lactate dehydrogenase elevating virus (LDHEV), Mouse norovirus (MNV) |

Fumio Ike, Ph.D.  
 Experimental Animal Division  
 RIKEN BioResource Center  
 3-1-1 Koyadai, Tsukuba, Ibaraki 305-0074 JAPAN  
 Phone: :81-298-5264  
 FAX: +81-298-36-9010  
 E-Mail: [ike@brc.riken.go.jp](mailto:ike@brc.riken.go.jp)

# HEALTH CERTIFICATE

Facility: RIKEN BRC

5 / 8

Experimental Animal Division

Date: April 4, 2006

Examination No: X618

| Pathogens   | Animals                          | BALB/cA-  | BALB/cA-  | BALB/cA-  | BALB/cA-  | BALB/c-   | BALB/c-   | BALB/c-   | BALB/c-   | BALB/cA-  | BALB/cA-  |
|-------------|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|             |                                  | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ |
|             |                                  | 3-6-A     | 3-6-B     | 3-6-C     | 3-6-D     | 3-7-A     | 3-7-B     | 3-7-C     | 3-7-D     | 3-8-A     | 3-8-B     |
| Cultivation | <i>Citrobacter rodentium</i>     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | <i>Corynebacterium kutscheri</i> | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | <i>Mycoplasma pulmonis</i>       | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | <i>Pasteurella pneumotropica</i> | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | <i>Salmonella</i> spp.           | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | Dermatophytes                    | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
| Serology    | <i>Clostridium piliforme</i>     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | <i>Mycoplasma pulmonis</i>       | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | Ectromelia virus                 | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | LCM virus                        | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | Mouse hepatitis virus            | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | Sendai virus                     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | CAR bacillus                     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
| Microscopy  | Ectoparasites                    | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | Intestinal protozoa              | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|             | Pinworm                          | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |

ICLAS Monitoring Center  
 Central Institute for Experimental Animals  
 1430 Nogawa, Miyamae, Kawasaki 216-0001, JAPAN  
 Tel. 81-44-754-4477 Fax. 81-44-754-4476



Toshio Itoh, D.V.M., Ph.D.

# HEALTH CERTIFICATE

Facility: RIKEN BRC

6 / 8

Experimental Animal Division

Date: April 4, 2006

Examination No: X618

| Pathogens | Animals                       | BALB/cA-  | BALB/cA-  | BALB/cA-  | BALB/cA-  | BALB/c-   | BALB/c-   | BALB/c-   | BALB/c-   | BALB/cA-  | BALB/cA-  |
|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|           |                               | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ | nu/+<br>♀ |
|           |                               | 3-6-A     | 3-6-B     | 3-6-C     | 3-6-D     | 3-7-A     | 3-7-B     | 3-7-C     | 3-7-D     | 3-8-A     | 3-8-B     |
| PCR       | <i>Helicobacter bilis</i>     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|           | <i>Helicobacter hepaticus</i> | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |
|           | Gross lesion                  | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     | 0 / 1     |

ICLAS Monitoring Center  
 Central Institute for Experimental Animals  
 1430 Nogawa, Miyamae, Kawasaki 216-0001, JAPAN  
 Tel. 81-44-754-4477 Fax. 81-44-754-4476



Toshio Itoh, D.V.M., Ph.D.