

Facility: Immunology Frontier Research Center, Osaka University

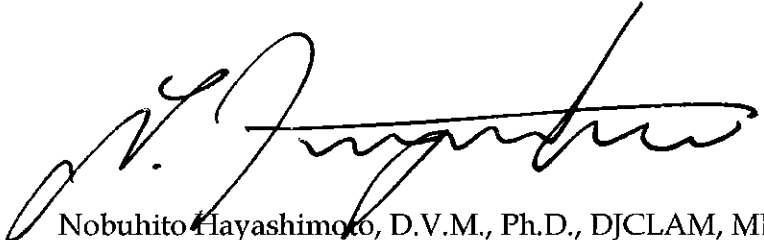
Date: June 02, 2015

Examination No:151289

**HEALTH CERTIFICATE**

| Animals<br>Pathogens |                                  | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             |
|----------------------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                      |                                  | ♀ 28W<br>C3-0-A | ♀ 28W<br>C3-0-C | ♀ 28W<br>C3-0-E | ♀ 28W<br>C3-0-G | ♀ 28W<br>C3-1-A | ♀ 28W<br>C3-1-C | ♀ 28W<br>C3-1-E | ♀ 28W<br>C3-1-G | ♀ 28W<br>C3-2-A | ♀ 28W<br>C3-2-C |
| 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           |
| 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           |
|                      | 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           |
|                      | <i>Mycoplasma pulmonis</i>       | 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           |
| 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           |
| 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  
 3-25-12 Tonomachi, Kawasaki-ku, Kawasaki 210-0821, JAPAN  
 Tel. 81-44-201-8525 Fax. 81-44-201-8526

  
 Nobuhito Hayashimoto, D.V.M., Ph.D., DJCLAM, MBA

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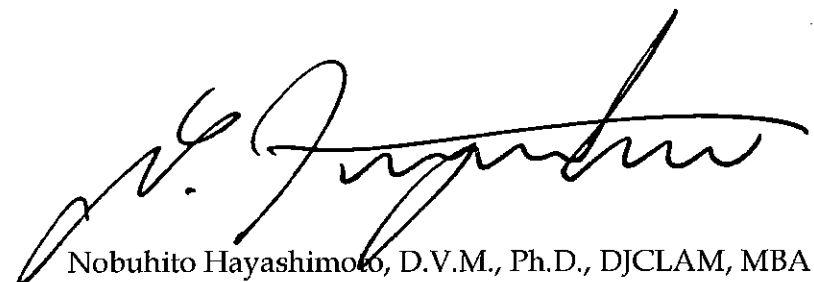
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**HEALTH CERTIFICATE**

| Animals<br>Pathogens |                                  | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             |
|----------------------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                      |                                  | ♀ 28W<br>C3-2-E | ♀ 28W<br>C3-2-G | ♀ 28W<br>C3-3-A | ♀ 28W<br>C3-3-C | ♀ 28W<br>C3-3-E | ♀ 28W<br>C3-3-G | ♀ 28W<br>C3-4-A | ♀ 28W<br>C3-4-C | ♀ 28W<br>C3-4-E | ♀ 28W<br>C3-4-G |
| 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           |
| 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           |
|                      | Ectromelia virus                 | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           |
|                      | LGM 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           |
|                      | <i>Mycoplasma pulmonis</i>       | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           |
| Microscopy           | Sendai virus                     | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           |
|                      | 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           |
|                      | Gross lesion                     | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           |

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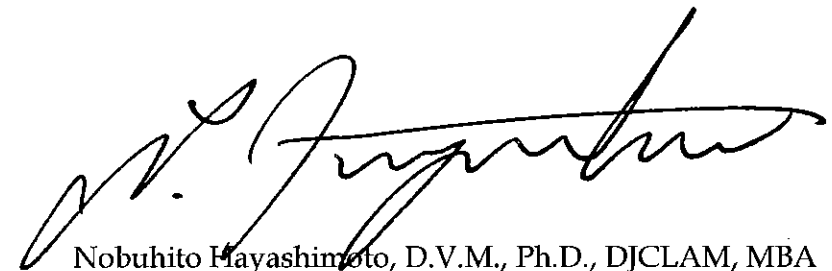
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**HEALTH CERTIFICATE**

| Pathogens    |                                  | Animals                |                        |                        |                        |                        |                        |                        |                        |                        |                        |
|--------------|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|              |                                  | ICR<br>♀ 28W<br>C3-5-A | ICR<br>♀ 28W<br>C3-5-C | ICR<br>♀ 28W<br>C3-5-E | ICR<br>♀ 28W<br>C3-5-G | ICR<br>♀ 28W<br>C3-6-A | ICR<br>♀ 28W<br>C3-6-C | ICR<br>♀ 28W<br>C3-6-E | ICR<br>♀ 28W<br>C3-6-G | ICR<br>♀ 28W<br>C3-7-A | ICR<br>♀ 28W<br>C3-7-C |
| 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                  |
| 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                  |
|              | 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                  |
|              | <i>Mycoplasma pulmonis</i>       | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  |
| Microscopy   | Sendai virus                     | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  |
|              | 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                  |
| Gross lesion |                                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  | 0 / 1                  |

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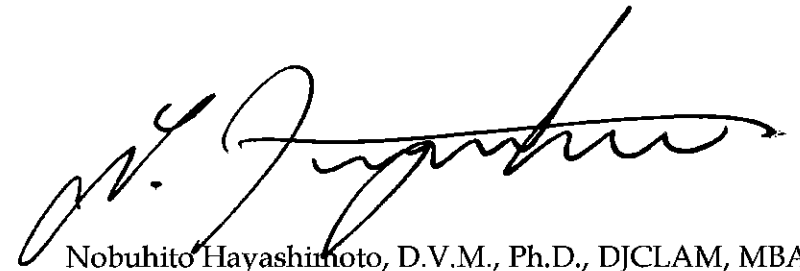
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|----------------------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|--|--|
|                      |                                  | ♀ 28W<br>C3-7-E | ♀ 28W<br>C3-7-G | ♀ 28W<br>C3-8-A | ♀ 28W<br>C3-8-C | ♀ 28W<br>C3-8-E | ♀ 28W<br>C3-8-G | ♀ 28W<br>C3-8-I |  |  |  |
| Cultivation          | <i>Citrobacter rodentium</i>     | 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           |  |  |  |
|                      | <i>Mycoplasma pulmonis</i>       | 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           |  |  |  |
|                      | <i>Salmonella</i> spp.           | 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           |  |  |  |
|                      | Ectromelia virus                 | 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           |  |  |  |
|                      | Mouse hepatitis virus            | 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           |  |  |  |
| Microscopy           | Sendai virus                     | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           |  |  |  |
|                      | Ectoparasites                    | 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           |  |  |  |
|                      | Pinworm                          | 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           |  |  |  |

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