

Facility: Animal Resource Center for Infectious Diseases, Immunology Frontier Research Center, Osaka University

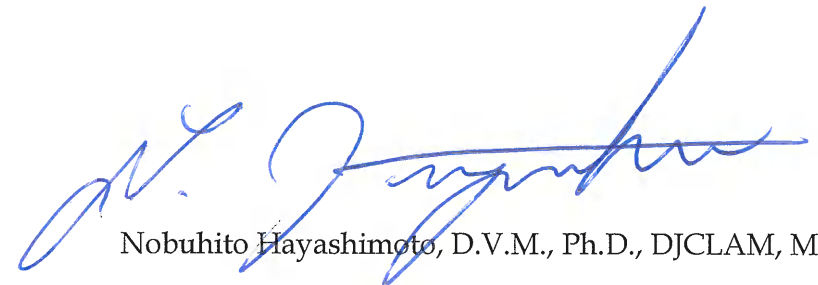
**HEALTH CERTIFICATE**

Date: December 03, 2019

Examination No:19F872

| Animals<br>Pathogens |                                  | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             |
|----------------------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                      |                                  | ♀ 27W<br>C4-2-A | ♀ 27W<br>C4-2-C | ♀ 27W<br>C4-2-E | ♀ 27W<br>C4-2-G | ♀ 27W<br>C4-3-A | ♀ 27W<br>C4-3-C | ♀ 27W<br>C4-3-E | ♀ 27W<br>C4-3-G | ♀ 27W<br>C4-4-A | ♀ 27W<br>C4-4-C |
| Cultivation          | <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>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           |

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

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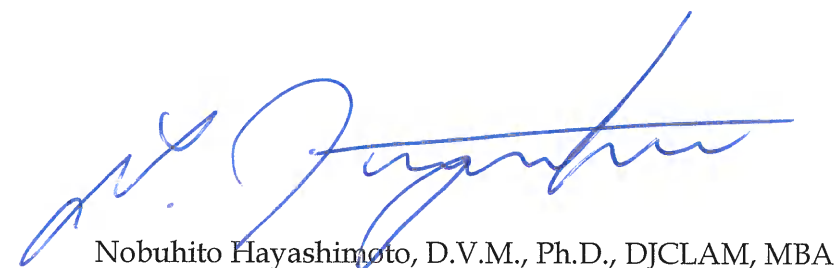
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| Animals<br>Pathogens |                                  | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             |
|----------------------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                      |                                  | ♀ 27W<br>C4-4-E | ♀ 27W<br>C4-4-G | ♀ 27W<br>C4-5-A | ♀ 27W<br>C4-5-C | ♀ 27W<br>C4-5-E | ♀ 27W<br>C4-5-G | ♀ 27W<br>C4-6-A | ♀ 27W<br>C4-6-C | ♀ 27W<br>C4-6-E | ♀ 27W<br>C4-6-G |
| Cultivation          | <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>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           |

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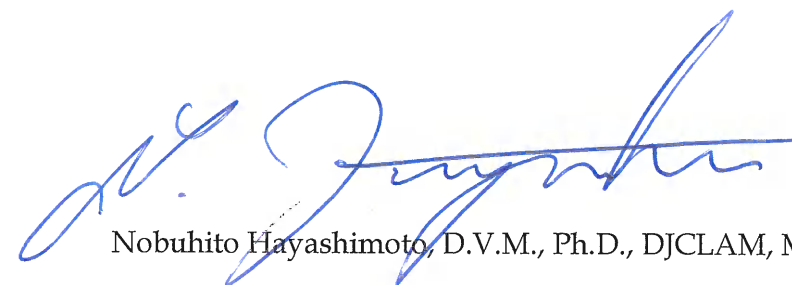
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| Animals<br>Pathogens |                                  | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             | ICR             |  |
|----------------------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
|                      |                                  | ♀ 27W<br>C4-7-A | ♀ 27W<br>C4-7-C | ♀ 27W<br>C4-7-E | ♀ 27W<br>C4-7-G | ♀ 27W<br>C4-8-A | ♀ 27W<br>C4-8-C | ♀ 27W<br>C4-8-E | ♀ 27W<br>C4-8-G | ♀ 27W<br>C4-8-I |  |
| Cultivation          | <i>Corynebacterium kutscheri</i> | 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           |  |
|                      | <i>Salmonella</i> spp.           | 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           |  |
|                      | Ectromelia virus                 | 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           |  |
|                      | Mouse hepatitis virus            | 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           |  |
|                      | Sendai virus                     | 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           |  |
|                      | Intestinal protozoa              | 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           |  |
| Gross lesion         |                                  | 0 / 1           | 1 / 1*          | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           | 0 / 1           |  |

\*: Uterine enlargement

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