



**VETERINARY HEALTH CERTIFICATE
EXPORT OF FROZEN PORCINE SEMEN TO NEW ZEALAND**

SECTION I - Origin

- i) **Country of origin:** **CANADA**
- ii) **Competent Issuing Authority:** **Canadian Food Inspection Agency
Government of Canada**
- iii) **Name and Address of CFIA Office:** _____

- iv) **Name and Address of Exporter:** _____

- v) **Name and Address of Semen Production Centre:** _____

- vi) **Semen Production Centre Registration Number or Identification Code:** _____

SECTION II - Destination

- i) **Name of Importer:** _____

- Address:** _____

- Destination of Semen:** _____

SECTION III - Health Certification

I, _____, being the Official Veterinarian supervising collection of pig semen for export certify with respect to the consignment identified in the attached Zoo-sanitary Certificate that:

1. **Donor Animals**
 - 1.1 The donor animals have been resident in Canada or the United States of America and are free from all quarantine restrictions since birth or for at least the twelve month period immediately prior to their entry into isolation and prior to collection of semen for export to New Zealand.
2. **Herd of Origin**
 - 2.1 During the 3 months prior to entry of the donor animals into the collection centre there was no evidence in the herd of origin of the donor animals that the following diseases occurred during this period: Aujeszky's disease, brucella suis, enterovirus encephalomyelitis, leptospirosis, post-weaning multisystemic wasting syndrome, Q fever, transmissible gastroenteritis and vesicular stomatitis.
3. **Collection Centre**
 - 3.1 The collection centre meets the health status requirements of the herd of origin specified above, in that during the three (3) months prior to entry of the donor animals and for the entire period of their residence there has been no evidence of the specified diseases in animals resident on the collection centre.

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- 3.2 The semen for export has been collected at a semen collection centre which has been approved by the government veterinary authorities of Canada for the collection of porcine semen for export according to Appendix 1: MAF standard for semen collection centres for export of porcine semen to New Zealand.
- 3.3 While resident on the collection centre the donor animals have remained isolated from other animals not of an equivalent isolation and tested health status.
- 3.4 Within 180 days before or after semen collection for export the semen collection centre has demonstrated continuing freedom from PRRS through a survey conducted within every herd of pigs in the centre using an approved multi-valent ELISA, with negative results. (For the purpose of this survey, a herd is a group of pigs housed such that an internal air-space is shared on a daily basis. In herds of up to 50 pigs, all pigs must be tested. In herds of more than 50 pigs, 50 randomly selected pigs must be tested. This number of pigs to be tested is sufficient to give 99% confidence of detecting at least one infected pig, assuming 10% prevalence and 90% test sensitivity.)

4. **Pre-Collection Isolation**

- 4.1 The donor animals have completed a minimum 30 day period of isolation. During this time they have remained isolated from all other animals not of an equivalent isolation and tested health status. Not less than 21 days after the start of isolation (unless otherwise specified), the following tests and/or treatments have been completed:

(N.B. Pre-collection isolation may be completed as a requirement of entry onto the collection centre, or once donor animals are resident on the collection centre. The pig semen may be collected after completion of all treatment requirements during isolation, and will become eligible for export upon the donor animals and all isolation cohorts successfully completing all testing requirements.)

- i) Brucella suis - buffered brucella antigen test or complement fixation test (CFT), with a negative results
- ii) Aujeszky's disease - ELSA with a negative result
- iii) transmissible gastroenteritis (TGE) - serum neutralisation test with

EITHER

(a) negative results

OR

(b) positive results, in which case the samples were retested using a specific competitive blocking ELISA to differentiate TGE from porcine respiratory coronavirus. The result is negative for TGE.

(Delete (a) or (b) above whichever is not applicable)

- iv) porcine reproductive and respiratory syndrome - IDEXX ELISA on two occasions, first test at the start of the isolation period and second no less than 30 days subsequently, with negative results in each case.
 - v) leptospirosis - On two occasions fourteen (14) days apart the donor animals were treated with oxytetracycline at the manufacturers recommended dosage. (There is no specification for timing in relation to entry into isolation.)
- 4.2 All serological tests were conducted at a laboratory approved by the veterinary authority of Canada or the United States of America to conduct export testing, laboratory results have been entered into the appropriate chart in this health certificate and therefore are endorsed upon the signing of this certificate .

5 **Collection, Processing and Storage**

- 5.1 On the dates of collection for export of pig semen in this consignment, no animals on the collection centre showed any clinical evidence of infectious or contagious disease.
- 5.2 All products of animal origin, other than egg yolk, used in the collection, processing and storage of the pig semen were certified as either sterile preparations or as having been screened for adventitious viruses including tests for cytopathology in appropriate cell cultures, for haemagglutinating and haemadsorbing viruses, and for pestiviruses by immunoperoxidase or immunofluorescence techniques, with negative results in each case.

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- 5.3 All biological products have been handled in a manner which ensures their sterility was maintained.
- 5.4 An effective combination of antibiotics was added to the semen after final dilution. The combination must produce an effect at least equivalent to the following dilutions:
- 500 IU per ml streptomycin; or
 - 500 IU per ml penicillin; or
 - 150 µg per ml lincomycin; or
 - 300 µg per ml spectinomycin
- Immediately after the addition of the antibiotics the diluted semen was kept at a temperature of at least 15 C for a period of not less than 45 minutes.
- 5.5 After processing, the pig semen was stored in previously sterilised flasks. In the case of frozen pig semen, the liquid nitrogen has not previously been used for any other purpose.
- 5.6 In the case of frozen pig semen, prior to shipment to New Zealand the consignment has been stored under approved conditions at the collection centre for a minimum of 25 days or until the results of the post-collection testing are known, whichever is the greater.
- 5.7 During storage of frozen pig semen, any container servicing was completed under the supervision of the veterinarian appointed to the collection centre and has been conducted in a manner that prevents contamination of the container or its contents.

6 Post-Collection Testing

- 6.1 During the period of 30 days immediately following the dates of collection of pig semen for export to New Zealand, all animals on the collection centre have remained free from clinical signs of infectious or contagious disease.
- 6.2 A sample of semen for export from each donor boar has been tested using the reverse transcriptase nested PCR assay (RT-nPCR) or real-time PCR for PRRS virus and found to be negative.

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SECTION IV - Consignment Description and Test / Treatment Dates:

Consignment Description

DONOR IDENTIFICATION	BREED	SPECIES	COLLECTION DATE	PREMISES OF ORIGIN	NUMBER OF STRAWS AND IDENTIFICATION

Date of Negative Test Result or Treatment Date:

DONOR IDENTIFICATION	BRUCELLA SUIS TEST DATE	AUJESZKY'S DISEASE TEST DATE	TGE: INSERT TEST(S) AND DATE(S)	PRRS: PRE-COLLECTION TEST DATES	PRRS: POST-COLLECTION TEST DATE	LEPTOSPIROSIS TREATMENT antibiotic + date

Official seal number or unique mark placed on shipping container: _____

Preservatives and Antibiotics Used: _____

Date

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Official Veterinarian
Canadian Food Inspection Agency
Government of Canada

Veterinary Certificate B

I, _____, an Official Veterinarian, certify with respect to the pig semen identified in the attached Zoo-Sanitary Certificate, that:

1 Country/Region Health Status

- 1.1 During the 12 months immediately preceding the dates of collection of pig semen in this consignment and of signing of this certificate, Canada has remained free from the following diseases:
- foot and mouth disease,
 - swine vesicular disease,
 - rinderpest,
 - classical swine fever,
 - African swine fever and
 - Japanese encephalitis

Date

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Official Veterinarian - Signature

SAMPLE