

Appendix 3-3

Quarantine Requirements for the Importation of Porcine Semen

(In case of any discrepancy between the English version and the Chinese text of these Requirements, the Chinese text shall govern.)

Promulgated by Council of Agriculture on November 26, 1986

Amendment by Council of Agriculture on May 31, 1989

Amendment by Council of Agriculture on June 8, 2021 and become effective on September 1, 2021

1. The “Quarantine Requirements for the Importation of Porcine Semen” (hereinafter these Requirements) regulate the importation of semen produced from animals in the Family Suidae.
2. Testing referred to in these Requirements must be conducted by laboratories owned, designated or approved by the government of the exporting country using methods listed in these Requirements; or prescribed, recommended or considered suitable by the OIE’s Manual of Diagnostic Tests and Vaccines for Terrestrial Animals (hereinafter OIE Manual) for confirmation of population or individual animals being free from infection with pathogens of corresponding diseases. For diseases with no such testing methods prescribed, recommended or considered suitable in the OIE Manual, methods that have been published in international scientific journals may also be used.
3. Porcine semen are allowed to be imported only from countries or zones recognized by Taiwan’s central competent authority as being free from foot and mouth disease and African swine fever.
4. Disease free countries (zones) referred to in these Requirements but other than those named in Article 3 are determined by the following criteria:
 - 4.1 Countries (zones) that are officially recognized by the OIE as free from the corresponding diseases;
 - 4.2 For diseases that the OIE does not provide official disease status recognition, criteria of a free country or zone described in the corresponding disease chapters of the OIE’s Terrestrial Animal Health Code (hereinafter OIE Code) apply.
5. The donor boars must comply with the following requirements:
 - 5.1 Never having been used for natural mating services;
 - 5.2 Since birth or at least one year prior to collection of semen for export to Taiwan, the boars have been kept in a country (zone) which, during that period of time, is free from foot and mouth disease, African swine fever and classical swine fever;
 - 5.3 At least three months prior to collection of semen for export to Taiwan, being continuously kept in a semen collection center or farm which is under the supervision of the competent authority of the exporting country as well as in compliance with Article 6 and relevant regulations in OIE Code chapters with regards to semen collection and processing.
 - 5.4 Never having been vaccinated against the foot and mouth disease, classical swine fever, Aujeszky's disease, brucellosis, or porcine reproductive and respiratory syndrome;
 - 5.5 Within one year prior to collection of semen for export to Taiwan, being tested negative for the following diseases in the semen collection center or farm unless the exporting country has been free from the following diseases for at least five years prior to collection of semen, according to the OIE reports or other epidemiological information:

- 5.5.1 Swine vesicular disease;
- 5.5.2 Vesicular stomatitis;
- 5.5.3 Brucellosis (*Brucella abortus*, *B. melitensis* and *B. suis*);
- 5.5.4 Classical swine fever: antibody test;
- 5.5.5 Other tests provisionally designated by Taiwan's animal quarantine authority in response to global emergent disease situation.
- 5.6 Complying with one of the following requirements regarding transmissible gastroenteritis (TGE):
 - 5.6.1 For fresh semen, the donor boars tested negative for TGE within 30 days prior to collection of semen for export to Taiwan; for frozen semen, the test must be conducted at least 14 days after collection of semen;
 - 5.6.2 The donor boars have been kept since birth in a country where TGE is officially notifiable and no confirmed case has been recorded for at least three years prior to collection of semen for export to Taiwan.
- 5.7 Complying with one of the following requirements regarding porcine reproductive and respiratory syndrome (PRRS):
 - 5.7.1 The donor boars have been kept, since birth or for at least one year prior to collection of semen for export to Taiwan, in a country (zone) which is, during that period of time, free from PRRS;
 - 5.7.2 The donor boars have been kept, since birth or for at least three months prior to entry into the semen collection center or farm, in farms of origin where no pigs were vaccinated against PRRS and no infection with pathogen of PRRS was detected within that period. In addition, all of the following requirements must be complied with:
 - 5.7.2.1 The donor boars show no clinical signs of PRRS on the day of entry into the semen collection center or farm and were subjected to a serological test with negative results on samples collected on the day of entry or within 30 days prior to the day of entry;
 - 5.7.2.2 The donor boars were first quarantined in the pre-entry isolation facility for at least 28 days after entering the semen collection center or farm, and were subjected to a serological test with negative results on samples collected on or after 21 days after entry.
 - 5.7.2.3 In the semen collection center or farm, every boar was subject to an antibody test at least once for infection with pathogen of PRRS during the one year prior to collection of semen, with negative results. Otherwise, all boars are subjected to antibody and antigen tests for PRRS, with negative results, on serum samples taken on the day of semen collection.
- 5.8 Complying with one of the following requirements regarding Aujeszky's disease (AD):
 - 5.8.1 The donor boars have been kept, since birth or at least one year prior to collection of semen for export to Taiwan, in a country (zone) which is, during that period of time, free from AD;
 - 5.8.2 The donor boars: (a) have been kept in an AD free establishment for at least six months prior to entering the semen collection center or farm; (b) have been kept for at least four months prior to semen collection in the semen collection center or farm which has the status of AD free establishment, and where all boars are subjected to a serological test to the AD virus

with negative results every four months; and, (c) were subjected to a serological test to the AD virus with negative results within 10 days prior to or 21 days after semen collection;

5.9 Complying with one of the following requirements regarding porcine epidemic diarrhea (PED):

5.9.1 No confirmed case of PED has ever occurred at the farms of origin or the semen collection center or farm; or

5.9.2 No confirmed case of PED has occurred at the semen collection center or farm during the 6 months prior to collection of semen for export to Taiwan. The donor boars tested negative for PED prior to entry into the semen collection center or farm as well as during quarantine in the pre-entry isolation facility. In addition, at least one of the following requirements is complied with:

5.9.2.1 Within the 60 days prior to collection of semen for export to Taiwan, the donor boars tested negative for antigen of PED using samples of fresh feces; or

5.9.2.2 For frozen semen, a sample of the semen tested negative for antigen of PED. However, semen which was collected prior to 31 March 2013 is exempt from PED testing.

5.10 The donor boars show no clinical sign of any communicable disease on the day of collection of semen for export to Taiwan.

6. The semen collection center or farm described in Article 5 must comply with the following requirements:

6.1 No diseases listed below have been confirmed in the corresponding time period:

6.1.1 Brucellosis, enterovirus encephalomyelitis (Teschén disease), tuberculosis (*Mycobacterium bovis*, *M. caprae* and *M. tuberculosis*), vesicular exanthema, swine hemorrhagic septicemia or TGE for at least one year prior to collection;

6.1.2 Atrophic rhinitis, hemophilus pneumonia, leptospirosis, toxoplasmosis, swine influenza, and swine erysipelas for at least 6 months prior to collection.

6.2 For at least 30 days following semen collection or from the day of semen collection to the day of the exporting country conducting the export quarantine inspection, all animals in the semen collecting center or farm show no clinical sign of PED or other diseases listed in Articles 5.4, 6.1.1 and 6.1.2.

7. The collection, test, processing and storage of the semen must comply with the following requirements and related norms stipulated in the OIE Code:

7.1 The semen tests negative for antigen of leptospira; or antibiotics added to diluent of the semen must have effective bactericidal activity against leptospira.

7.2 The semen must be stored in the exporting country for at least 30 days following collection. This Article applies only to frozen semen.

8. The consignment must be accompanied by an original veterinary certificate issued by the exporting country's competent authority. The certificate must specify the following information in English or Chinese:

8.1 Origin

8.1.1 Quantity of the semen;

8.1.2 Date of semen collection;

8.1.3 Exporting country

8.1.4 Name and address of the farm of origin of the donor boars;

8.1.5 Name and address of the semen collection center or farm; and

8.1.6 Name and address of the exporter;

8.2 Destination

8.2.1 Country of destination; and

8.2.2 Name and address of the importer.

8.3 Results of quarantine inspection:

8.3.1 Specify explicitly that the consignment complies with Articles 3 to 7. For diseases that are not tested pertaining to Article 5.5, the country's disease-free status of those diseases in the previous 5 years must be stated;

8.3.2 Sampling dates, testing methods, test dates, and test results for the tests conducted for the donor boars in accordance with Article 5 (excluding Article 5.7.2.3 and the every four months tests in Article 5.8.2 (b)). The name of the journals, the publication date, and title of the associated articles when using methods published in international scientific journals ;

8.3.3 For diluents used, the names of the antibiotics added and their concentration must be stated; and

8.4 Date when the certificate was issued, name and official stamp of the issuing authority, and name and signature of the certifying officer.

9. The animal quarantine authority of the exporting country must submit a sample veterinary certificate in advance for confirmation by Taiwan's animal quarantine authority that the sample certificate's content complies with these requirements. Importation is not allowed before receiving confirmation by Taiwan's animal quarantine authority that the sample certificate's content complies with these requirements.