

## Attachment 11-2: Quarantine Requirements for the Importation of Swine Semen

1. The quarantine requirements regulate the importation of semen of swine of the Suidae family (hereinafter referred to as the “swine semen”).
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 World Organisation for Animal Health (OIE) Manual of Diagnostic Tests and Vaccines for Terrestrial Animals (hereinafter the 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. Swine semen is allowed to be imported only from countries or zones recognized by the central competent authority of the importing country as being free from foot and mouth disease (FMD), classical swine fever (CSF) and African swine fever (ASF).
4. Disease free countries (zones) other than those mentioned in Article 3 are determined according to the OIE’s official disease status recognition. In addition, 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 Terrestrial Animal Health Code (hereinafter the OIE Code) shall apply.
5. For the donor boars, the following requirements shall be complied with:
  - 5.1 Donor boars have not been served for natural mating.
  - 5.2 Since birth or at least 1 year prior to collection of semen for export, the boars have been kept in a country (zone) which is promulgated by the central competent authority as free from FMD, ASF and CSF during the period of time;
  - 5.3 Donor boars are continuously kept in a semen collection centers or farms for at least 3 months prior to collection of semen for export. The semen collection centers or farms are under the supervision of the competent authority of the exporting country as well as in compliance with Article 6 and relevant requirements in relevant chapters of the OIE Code with regard to semen collection and processing.
  - 5.4 Donor boars shall not be vaccinated against FMD, CSF, pseudorabies (Aujeszky's disease), brucellosis, porcine reproductive and respiratory syndrome (PRRS) and ASF.
  - 5.5 Within 1 year prior to collection of semen for exportation, the semen collection centers or farms are tested negative for the following diseases unless the diseases have not occurred in the exporting country for at least 5 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*); and
    - 5.5.5 Other tests that are provisionally designated by the import/export animal quarantine

authority of the importing country in response to international epidemic.

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; and for frozen semen, the test must be conducted at least 14 days after collection of semen and be negative.

5.6.2 The donor boars are raised in a country (zone) where TGE is listed as a notifiable disease, and no cases of TGE have been confirmed in the previous 3 years prior to collection.

5.7 One of the two following requirements (Articles 5.7.1 and 5.7.2) of PRRS shall be complied with:

5.7.1 The donor boars are raised in a country (zone) that is free from PRRS in the previous year prior to collection or since birth.

5.7.2 The following requirements shall be complied with:

5.7.2.1 Since birth or within 3 months prior to entering the semen collection centers or farms, donor boars have been raised in establishments that the vaccine against PRRS are not administered, and no cases of PRRS have been confirmed during the 3 months.

5.7.2.2 On the day of entry in the semen collection centers or farms, donor boars are found to be healthy without any clinical signs, and the results of serological antibody tests for PRRS, which are sampled on the day of entry or within 30 days prior to entry, are negative.

5.7.2.3 The donor boars are firstly quarantined in the pre-entry isolation facility for at least 28 days after entering the semen collection centers or farms, and are subject to a serological test for PRRS with negative results on samples collected on or after 21 days after entry.

5.7.2.4 Within 1 year prior to collection, each donor boar is sampled for serological antibody tests for PRRS at least once with negative results. Or, on the day of collection, each donor boar is sampled for serological antigen and antibody tests for PRRS with negative results.

5.8 One of the following requirements on pseudorabies shall be complied with:

5.8.1 The donor boars are raised in a country (zone) that is free from pseudorabies in the previous year prior to collection or since birth.

5.8.2 Within 6 months prior to entering the semen collection centers or farms, donor boars have been raised in establishments that are free from pseudorabies as defined by the OIE. Within 4 months prior to collection, donor boars have been raised in the semen collection centers or farms that are free from pseudorabies, and each donor boar is sampled for serological antigen tests for pseudorabies with negative results every 4 months. Within 10 days prior to collection to 21 days after collection, each donor boars is sampled for serological antigen tests for pseudorabies with negative results.

5.9 One of the two following requirements (Articles 5.9.1 and 5.9.2) on porcine epidemic diarrhea (PED) shall be complied with:

- 5.9.1 The donor boars are raised in establishments of origin and semen collection centers or farms that no PED have been confirmed.
- 5.9.2 In the previous 6 months of collection, no cases of PED have been confirmed in the semen collection centers or farms and donor boars are sampled and tested with negative results prior to entering the semen collection centers or farms and during the detention period. And one of the following requirements shall be complied with:
  - 5.9.2.1 Within 60 days prior to collection, the fresh feces of donor boars are sampled for antigen tests for PED with negative results.
  - 5.9.2.2 The frozen semen is sampled for antigen tests for PED with negative results unless the semen was collected before March, 31, 2013.
- 5.10 On the day of collection, donor boars are found to be healthy without any clinical signs.
- 6. The semen collection centers or farms mentioned in Article 5 shall comply with the following requirements:
  - 6.1 No cases of brucellosis, enterovirus encephalomyelitis (Teschin/Talfan disease), tuberculosis (*Mycobacterium bovis*, *M. caprae* and *M. tuberculosis*), vesicular exanthema, swine hemorrhagic septicemia (pasteurellosis) and transmissible gastroenteritis have been confirmed in the previous year; and no cases of atrophic rhinitis, haemophilus pneumonia, leptospirosis, toxoplasmosis, swine influenza, and swine erysipelas have been confirmed in the past 6 months.
  - 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 centers or farms show no clinical signs of PED and other diseases listed in Articles 5.4 and 6.1.
- 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 results of the antigen test for leptospirosis are negative, or the effective antibiotics against leptospirosis are added in the diluents of the semen.
  - 7.2 The frozen semen shall be kept in the exporting country for at least 30 days.
- 8. Each consignment shall be accompanied by an original veterinary certificate issued by the veterinarians of the animal quarantine authority of the exporting country. The certificate shall state the following information in English or Chinese:
  - 8.1 Origin:
    - 8.1.1 Total quantity;
    - 8.1.2 Date of collection;
    - 8.1.3 The exporting country;
    - 8.1.4 Name and address of the establishment 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 Result of the quarantine:

8.3.1 Statement attesting that the swine semen fulfills the requirements stipulated in Articles 3 to 7.

8.3.2 Date of sampling, and methods, dates and results of the tests. The requirements stipulated in Articles 5.7.2.4 and 5.8.2 regarding tests conducted every 4 months are excluded. The name of the journals, the publication date, and title of the associated articles are required when using methods published in international scientific journals. For animal diseases that are exempted from testing pertaining to Article 5.5, the statement regarding those diseases have not occurred in the exporting country in the previous 5 years shall be noted.

8.3.3 For diluents used, the names of the antibiotics added and their concentration shall be stated.

8.4 Date of issuance, name and official stamp of the issuing authority, and name and signature of the issuing officer.

9. The draft of the veterinary health certificate are provided by the animal quarantine authority of the exporting country to the import/export animal quarantine authority of the importing country for confirmation, and the importation shall not proceed without receiving the consent of the import/export animal quarantine authority.