

## Attachment 12-2: Quarantine Requirements for the Importation of Swine Embryos

1. The quarantine requirements regulate the importation of embryos of the Suidae family (hereinafter referred to as the “swine embryos”).
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 embryos are 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. For the donor male and female embryo-producing animals (hereinafter referred to as the “donor animals”), the following requirements shall be complied with:
  - 4.1 Donor animals shall be raised in countries or zones, which have been free from FMD, ASF and CSF in the previous year, prior to collection of semen/embryos or since birth.
  - 4.2 Donor animals shall be raised for at least 3 months prior to collection or since birth in the embryos collection centers/semen collection centers or farms supervised by a competent authority of the exporting country.
  - 4.3 Donor animals shall not be vaccinated against FMD, CSF, pseudorabies (Aujeszky’s disease), brucellosis, porcine reproductive and respiratory syndrome (PRRS) and ASF.
  - 4.4 The following tests shall be conducted and must have negative results unless the diseases have not occurred in the exporting country in the previous 5 years at least, according to the OIE reports or other international epidemiological information:
    - 4.4.1 For FMD: Serum neutralization test (virus neutralization, VN);
    - 4.4.2 For swine vesicular disease: VN;
    - 4.4.3 For vesicular stomatitis: VN, enzyme-linked immunosorbent assays (ELISA) or complement fixation test;
    - 4.4.4 For pseudorabies: VN or ELISA;
    - 4.4.5 For transmissible gastroenteritis: VN;
    - 4.4.6 For brucellosis (*Brucella abortus*, *B. melitensis* and *B. suis*): Serum tube agglutination test (SAT) with a result of 50 IU/ml or below;
    - 4.4.7 Other tests that are provisionally designated by the import/export animal quarantine authority of the importing country in response to international epidemic.
  - 4.5 No clinical signs of disease listed in Article 4.3 and Article 5 are found on donor animals within 30 days prior to collection.

5. For the embryos collection centers/semen collection centers or farms embryos collection centers/semen collection centers or farms mentioned in Article 4, no cases of brucellosis, enterovirus encephalomyelitis (Teschen/Talfan disease), tuberculosis (*Mycobacterium bovis*, *M. caprae* and *M. tuberculosis*), CSF, pseudorabies, swine vesicular disease, swine vesicular exanthems, swine haemorrhagic septicaemia and swine erysipelas have been confirmed within 1 year prior to collection of semen/embryos; and no cases of atrophic rhinitis, hemophilus pneumonia, transmissible gastroenteritis, leptospirosis, toxoplasmosis and swine influenza have been confirmed within 6 months prior to collection of semen/embryos.
6. The collection, processing, storage and transportation of embryos shall not be contaminated by the pathogens of infectious animal diseases.
7. 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:
  - 7.1 Origin:
    - 7.1.1 Total quantity;
    - 7.1.2 Date of collection of semen and embryos;
    - 7.1.3 The exporting country;
    - 7.1.4 Name and address of the embryos collection center/semen collection center or farm;  
and
    - 7.1.5 Name and address of the exporter.
  - 7.2 Destination:
    - 7.2.1 Country of destination; and
    - 7.2.2 Name and address of the importer.
  - 7.3 Result of the quarantine:
    - 7.3.1 Statement attesting that the bovine embryos fulfill the requirements stipulated in Articles 3 to 6.
    - 7.3.2 Date of sampling, and methods, dates and results of the tests. 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 4.4, the statements regarding those diseases having not occurred in the exporting country in the previous 5 years shall be noted.
  - 7.4 Date of issuance, name and official stamp of the issuing authority, and name and signature of the issuing officer.