

## Attachment 11-1: Quarantine Requirements for the Importation of Frozen Bovine Semen

1. The quarantine requirements regulate the importation of frozen semen of cattle of the Bovinae subfamily (hereinafter referred to as the “bovine 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. Bovine 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) and contagious bovine pleuropneumonia (CBPP).
4. For the donor bulls, the following requirements shall be complied with:
  - 4.1 Donor bulls shall be from the province (state) or equivalent administrative without lumpy skin disease (LSD) cases in the previous 3 years.
  - 4.2 Donor bulls have not been served for natural mating.
  - 4.3 Donor bulls shall be raised for at least 6 months prior to collection or since birth in the semen collection centers or farms supervised by a competent authority of the exporting country.
  - 4.4 Donor bulls shall not be vaccinated against FMD, CBPP and LSD.
  - 4.5 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:
    - 4.5.1 For FMD: Serum neutralization test (virus neutralization, VN), enzyme-linked immunosorbent assays (ELISA) or complement fixation test;
    - 4.5.2 For CBPP: ELISA or complement fixation test;
    - 4.5.3 For bluetongue: Complement fixation test, ELISA, or agar gel immunodiffusion assay (AGID);
    - 4.5.4 For brucellosis (*Brucella abortus*, *B. melitensis* and *B. suis*): Complement fixation test, ELISA, or serum tube agglutination test (SAT) with a result of 50 IU/ml or below;
    - 4.5.5 For tuberculosis (*Mycobacterium bovis*): Intradermal tuberculin test.
    - 4.5.6 For bovine genital campylobacteriosis: Culture of preputial washings or Polymerase chain reaction (PCR);
    - 4.5.7 For trichomoniasis: Microscopic examination and culture of preputial washings, or PCR;
    - 4.5.8 For enzootic bovine leucosis: ELISA or AGID;

- 4.5.9 For vesicular stomatitis: Serum neutralization test, ELISA or complement fixation test;
- 4.5.10 For paratuberculosis: Complement fixation test, ELISA or fecal culture test;
- 4.5.11 For Schmallenberg virus: PCR; and
- 4.5.12 Other tests that are provisionally designated by the import/export animal quarantine authority of the importing country in response to international epidemic.
- 4.6 No clinical signs of diseases listed in Article 4.4 and Article 5 are found on animals during examination within 30 days prior to collection.
5. For the semen collection centers or farms mentioned in Article 4, no cases of brucellosis, tuberculosis (*Mycobacterium bovis*, *M. caprae* and *M. tuberculosis*), malignant catarrhal, paratuberculosis (Johne's disease), bluetongue, and pseudorabies (Aujeszky's disease) have been confirmed in the previous year; and no cases of enzootic bovine leucosis, bovine viral diarrhea, infectious bovine rhinotracheitis, infectious pustular vulvovaginitis, bovine genital campylobacteriosis, trichomoniasis and leptospirosis have been confirmed in the past 6 months.
6. The management of the semen collection centers or farms and the collection, processing and storage of semen shall be in compliance with the methods recommended in chapters of the OIE Terrestrial Animal Health Code with regard to semen collection, processing and storage.
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;
- 7.1.3 The exporting country;
- 7.1.4 Name and address of the 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 semen fulfills 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 not tested pertaining to Article 4.5, 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.