

Bovine Embryos to Korea – Health Certificate Information

The following information is to assist when preparing the health certificate within the Veterinary Export Health Certificate System (VEHCS) which can be found at: <https://pcit.aphis.usda.gov/pcit/>

The “Place of Origin” should contain the name and address of the bovine embryo collection facility/veterinarian per the Korean facility approval listed posted to IREGS. The farm location of the donor animals must meet the requirements as indicated in the certification statement #2. Semen collection facilities are to be listed in certification statement 4.E.

Identification/Seal Numbers are required.

For the Commodity Table Template choose “Korea – Bovine Embryo” from the pull down list and click “apply”. Choose “create table” and fill in the required information.

The below information will be entered once you reach the “Certification Statements” section. Please note that some instructions are indicated below in italics which should be removed from the health certificate. You can copy/paste into the appropriate box within VEHCS.

Certification Statements:

1. There have been no outbreaks of foot and mouth disease for 1 year, rinderpest and contagious bovine pleuropneumonia for 2 years, lumpy skin disease and bovine Akabane disease for 3 years, and rift valley fever for 4 years prior to shipping, and no vaccination against these diseases should be conducted.

2. The embryo collection team/facility is USDA approved and has been notified to the Korean government and the collection location meets the following conditions:

A. The embryo collection facility is located in a State where there have been no outbreaks of vesicular stomatitis for 2 years prior to approval.

B. The embryo collection facility receives annual sanitary inspection and supervision by the U.S. veterinary authority.

C. There has been no confirmed case of the diseases provided in the Appendix (MAFRA Notification No. 2015-9) from 6 months before the initial collection of the embryos until 30 days after the final collection of the embryos.

D. The embryo collection facility is safely equipped in such a manner as to prevent the contact with the outside livestock and/or wild animals.

3. The donor dams meet the following conditions:

A. The donor dams are born and raised in the U.S. or imported into the U.S. at least 60 days prior to the embryo collection.

B. The donor dams are from farms where there were no confirmed cases of tuberculosis and brucellosis according to the standards set by the OIE.

C. The donor dams are from cattle breeding farms where there were no confirmed cases of bovine genital campylobacteriosis, bovine viral diarrhea, infectious bovine rhinotracheitis/infectious pustular vulvovaginitis/infectious pustular balanoposthitis, Johne's disease, bovine leptospirosis, trichomoniasis and anaplasmosis for 6 months prior to the introduction into the embryo collection facility.

D. The donor dams are marked in such a manner as to be individually identified.

E. The donor dams are tested by the U.S. designated veterinarian according to the test methods and standards for the diseases shown in the Appendix (MAFRA Notification No. 2015-9) within the time frame of 3 months prior to and 30 days after the embryo collection, and the test results are negative.

Donor Dam ID (all Donors and testing information listed):

Name of Laboratory (as applicable):

Tuberculosis: Test type/Date

Johne's Disease : Test type/Date

Bovine Leptospirosis: Test type/Date

Anaplasma marginale: Test type/Date

BVD: Test type/Date

IBR/IPV/IPB testing exempt, per enzyme trypsin treatment on the embryos per IETS Manual. *(or testing information entered as applicable)*

Trichomonosis and Bovine genital campylobacteriosis testing exempt, as the dams were mated through artificial insemination. *(or testing information entered as applicable)*

4. The collection and processing of embryos meet the following conditions:

A. All donor dams in the embryo collection facility are inspected by a veterinarian of the embryo collection team on the day of the embryo collection, and no clinical signs of communicable animal diseases were found.

B. The collection and processing of the embryos are done as recommended by IETS.

C. The embryos are Grade A or B whose entire surface of the zona pellucida is intact and free of adherent foreign materials as a result of the microscopic examination (at not less than 50X magnification) done in accordance with the procedures recommended by IETS under the supervision of the U.S. designated veterinarian.

D. Artificial insemination or natural breeding to produce embryos was performed under the supervision of a designated veterinarian.

E. Embryos are fertilized and produced using the semen that meets the U.S. government's disease management (Certified Semen Services or equivalent) requirements for the semen for producing embryos or Korea's import health requirements for bovine semen.

(Example) Semen Collection Facility, 12345 Road Name, City, State, ZIP

F. Only one embryo is stored in an ampoule or a straw.

G. Antibiotics added to the solutions used for collection, washing, and storage of embryos are approved by the U.S. government, and do not exceed the allowed level generally accepted.

H. Ampoules or straws storing embryos are labeled with the number (of total straws, i.e. 1 of 7), information on the collection date, individual identification of the donor sire and the donor dam, the embryo number, and the approval number of the embryo collection team according to the standards set by IETS, and sealed under the supervision of a designated veterinarian or a government veterinary officer.

I. Embryos are contained in liquid nitrogen containers which have been washed and disinfected or sterilized using refrigerant that has not been used for materials of animal origin, and they are stored at an embryo collection facility, etc., under the supervision of a government veterinary officer or a designated veterinarian until they are exported to Korea. *Seal number for the tanks are listed on the first page/the shipping page within VEHCS.*