

January 2005

## **IMPORT HEALTH REQUIREMENTS OF INDONESIA FOR BOVINE EMBRYOS EXPORTED FROM THE UNITED STATES**

The embryos must be accompanied by a U.S. Origin Health Certificate issued by a veterinarian authorized by the U.S. Department of Agriculture and endorsed by a Veterinary Services veterinarian. The certificate must provide the names and addresses of the consignor, consignee, embryo collection facility, and farms of origin of the embryo donors; full identification of the embryos (names and registration numbers of the embryo donor and semen donor, semen collection date, insemination date, embryo collection date, and number of embryos for each collection), and the following certification statements.

### **CERTIFICATION STATEMENTS**

1. The United States has been free of contagious bovine pleuropneumonia, foot-and-mouth disease, lumpy skin disease, peste des petits ruminants, and rinderpest for the last 3 years. Vaccination against these diseases is prohibited in the United States.
2. The embryo collection (EC) facility and the farm of origin of each embryo donor are officially free of brucellosis and tuberculosis.
3. The EC facility and the farm of origin of each embryo donor are located in a State in which vesicular stomatitis has not been reported in the last 12 months; no outbreak of vesicular stomatitis within 100 km of the EC facility or the farm of origin has been reported in the last 12 months.
4. The EC facility and the farm of origin of each donor female were clinically free of bluetongue, bovine genital campylobacteriosis, enzootic bovine leukosis, infectious bovine rhinotracheitis/infectious pustular vulvovaginitis, Johnes' disease, leptospirosis, and trichomoniasis for the last 12 months
5. Each embryo donor was born and raised in the United States or Canada, and was maintained only at the EC facility or the farm of origin for the 30 days immediately prior to embryo collection.
6. The EC facility or herd of origin is under the supervision of a USDA-accredited veterinarian.
7. The semen used to produce the embryos met Certified Semen Services standards or equivalent; the semen, collected under the supervision of a USDA-accredited veterinarian from bulls born and raised in the United States or Canada, was obtained from semen collection centers with a health status equal to or greater than the health status described above for the EC facility.
8. Each embryo donor was healthy and free of signs of infectious disease at the time of embryo collection.

9. The embryos were collected, processed, and stored in conformance with the Manual of the International Embryo Transfer Society (IETS) and/or the OIE Terrestrial Animal Health Code; all media used during these procedures were considered sterile and the antibiotics used were considered acceptable by USDA for said purpose.

10. During processing, the embryos were transferred through five washes in phosphate buffered saline (PBS) containing bovine serum albumin (BSA), then through two washes in 0.25% trypsin, pH 7.6-7.8, for a total trypsin exposure time of 60-90 seconds, then through five washes in PBS containing serum instead of BSA. Each of the washes was a 100-fold dilution of the previous one and a fresh sterile pipette was used for each transfer.

11. Only embryos from the same donor were washed and otherwise processed together; each embryo was examined microscopically and found to have a zona pellucida that was intact and free of any adherent material.

12. The embryos are packed in ampules/straws that are permanently marked as to collection date and identity (including breed) of the semen and embryo donors in accordance with IETS recommendations; each ampule/straw contains only one embryo.

13. The embryos will be shipped in a container that is new or that has been cleaned and disinfected; fresh liquid nitrogen will be used to charge the container; a USDA seal will be applied to the container by a USDA or USDA-accredited veterinarian prior to shipment.

## **OTHER CONDITIONS**

1. All collection of embryos and all servicing of storage containers prior to export must be performed under the supervision of a USDA-accredited veterinarian or a USDA veterinarian.

2. Transit of or transshipment through an intermediate foreign port is prohibited unless cleared in advance with Indonesian officials.

3. The Animal Quarantine Officer at the Indonesian port of destination must be notified of the shipment at least 2 days prior to the embryos' arrival.

Health Certificate No. \_\_\_\_\_  
(Valid only if the USDA Veterinary  
Seal appears over the Certificate No.)

**U.S. ORIGIN HEALTH CERTIFICATE FOR  
EXPORT OF BOVINE EMBRYOS TO INDONESIA**

**I. MINISTRY:** United States Department of Agriculture

**II. AGENCY:** Animal and Plant Health Inspection Service

**III. NAME AND ADDRESS OF CONSIGNOR:** \_\_\_\_\_  
\_\_\_\_\_

**IV. NAME AND ADDRESS OF CONSIGNEE:** \_\_\_\_\_  
\_\_\_\_\_

**V. NAME AND ADDRESS OF EMBRYO COLLECTION FACILITY:** \_\_\_\_\_  
\_\_\_\_\_

**VI. NAMES AND ADDRESSES OF FARMS OF ORIGIN OF EMBRYO DONORS:**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**VII. TOTAL NUMBER OF EMBRYOS IN SHIPMENT:** \_\_\_\_\_

**VIII. EMBRYO IDENTIFICATION:** See attached sheet.

**IX. CERTIFICATION STATEMENTS**

**A.** The United States has been free of contagious bovine pleuropneumonia, foot-and-mouth disease, lumpy skin disease, peste des petits ruminants, and rinderpest for the last 3 years. Vaccination against these diseases is prohibited in the United States.

**B.** The embryo collection (EC) facility and the farm of origin of each embryo donor are officially free of brucellosis and tuberculosis.

**C.** The EC facility and the farm of origin of each embryo donor are located in a State in which vesicular stomatitis has not been reported in the last 12 months; no outbreak of vesicular stomatitis within 100 km of the EC facility or the farm of origin has been reported in the last 12 months.

**D.** The EC facility and the farm of origin of each donor female were clinically free of bluetongue, bovine genital campylobacteriosis, enzootic bovine leukosis, infectious bovine rhinotracheitis/infectious pustular vulvovaginitis, Johne's disease, leptospirosis, and trichomoniasis for the last 12 months

**E.** Each embryo donor was born and raised in the United States or Canada, and was maintained only at the EC facility or the farm of origin for the 30 days immediately prior to embryo collection.

**F.** The EC facility or herd of origin is under the supervision of a USDA-accredited veterinarian.

**G.** The semen used to produce the embryos met Certified Semen Services standards or equivalent; the semen, collected under the supervision of a USDA-accredited veterinarian from bulls born and raised in the United States or Canada, was obtained from semen collection centers with a health status equal to or greater than the health status described above for the EC facility.

**H.** Each embryo donor was healthy and free of signs of infectious disease at the time of embryo collection.

**I.** The embryos were collected, processed, and stored in conformance with the Manual of the International Embryo Transfer Society (IETS) and/or the OIE Terrestrial Animal Health Code; all media used during these procedures were considered sterile and the antibiotics used were considered acceptable by USDA for said purpose.

**J.** During processing, the embryos were transferred through five washes in phosphate buffered saline (PBS) containing bovine serum albumin (BSA), then through two washes in 0.25% trypsin, pH 7.6-7.8, for a total trypsin exposure time of 60-90 seconds, then through five washes in PBS containing serum instead of BSA. Each of the washes was a 100-fold dilution of the previous one and a fresh sterile pipette was used for each transfer.

**K.** Only embryos from the same donor were washed and otherwise processed together; each embryo was examined microscopically and found to have a zona pellucida that was intact and free of any adherent material.

**L.** The embryos are packed in ampules/straws that are permanently marked as to collection date and identity (including breed) of the semen and embryo donors in accordance with IETS recommendations; each ampule/straw contains only one embryo.

Health Certificate No. \_\_\_\_\_  
(Valid only if the USDA Veterinary  
Seal appears over the Certificate No.)

**M.** The embryos will be shipped in a container that is new or that has been cleaned and disinfected; fresh liquid nitrogen will be used to charge the container; a USDA seal will be applied to the container by a USDA or USDA-accredited veterinarian prior to shipment.

\_\_\_\_\_  
Name of Issuing Authorized Veterinarian                      Signature of Issuing Authorized Veterinarian and Date

\_\_\_\_\_  
Name of Endorsing Federal Veterinarian                      Signature of Endorsing Federal Veterinarian and Date

Health Certificate No. \_\_\_\_\_  
(Valid only if the USDA Veterinary  
Seal appears over the Certificate No.)

Attachment

**EMBRYO IDENTIFICATION**

<b>BREED AND REGISTERED NAME AND NUMBER* OF EMBRYO DONOR</b>	<b>BREED AND REGISTERED NAME AND NUMBER* OF SEMEN DONOR</b>	<b>NO. OF EMBRYOS</b>	<b>INSEM. DATE</b>	<b>EMBRYO COLLEC. DATE</b>	<b>SEMEN COLLEC. DATE</b>

\*With breed association or equivalent