



**VETERINARY HEALTH CERTIFICATE
EXPORT OF BOVINE EMBRYOS TO PAKISTAN**

SECTION I

Exporting Country: CANADA

Issuing Authority: GOVERNMENT OF CANADA
CANADIAN FOOD INSPECTION AGENCY

Region: _____

SECTION II

i) **Name of Exporter:** _____

Address: _____

ii) **Name of Importer:** _____

Address: _____

SECTION III - Information Concerning Embryos

i) **Name of approved veterinarian responsible for the embryo collection team:**

ii) **Name and address of the approved embryo collection team:** _____

iii) **Total number of embryo straws in consignment:** _____

SECTION IV - SANITARY INFORMATION

I, the undersigned official veterinarian, duly authorized by the Government of Canada, hereby certify, after due enquiry and to the best of my knowledge and belief, that:

1. Canada has been free from foot and mouth disease, rinderpest, contagious bovine pleuropneumonia, vesicular stomatitis, lumpy skin disease, Rift Valley fever, brucellosis (*B. abortus*) in cattle and trypanosomiasis for the twelve (12) months preceding the collection of the embryos to be exported.
2. The donor female was born in Canada or had been continuously resident in Canada for the six (6) months preceding collection of the embryos.
3. There has been no clinical evidence of bovine virus diarrhea, infectious bovine rhinotracheitis, anthrax, salmonellosis, enzootic bovine leucosis, paratuberculosis, bluetongue, leptospirosis, trichomoniasis, campylobacteriosis or any other infectious disease to which cattle are susceptible on the premises of origin for the ninety (90) days preceding the collection of the embryos to be exported, nor is the premises of origin under official quarantine for the control of contagious animal diseases.
4. The farm of origin of the donor animal is officially free of brucellosis and tuberculosis.
5. The donor female was inspected on the day of collection and found to be free of evidence of infectious or contagious disease and had not been exposed to any infectious disease to which cattle are susceptible during the ninety (90) days preceding collection.
6. The embryos to be exported were conceived as the result of artificial insemination of the donor female with semen collected at a Canadian semen production centre in accordance with Canadian standards or with semen legally imported in Canada.
7. The embryos for export were collected and processed by the embryo collection team identified above which:
 - a) is approved under the terms of the Canadian Food Inspection Agency's Embryo Transfer Program;
 - b) carried out the collection, processing, storage and transport of the embryos in accordance with procedures endorsed by the International Embryo Transfer Society (IETS) and World Organisation for Animal Health (OIE);
 - c) is subjected at least twice per year to inspection by an official veterinarian of the Canadian Food Inspection Agency.



8. The embryos were washed, in groups of ten (10) or fewer, through ten (10) changes of media. A fresh sterile micropipette was used to transfer the embryos between washes and each wash constituted at least a hundred fold dilution of the previous wash. The embryos were gently agitated in each of the washes and only embryos from the same donor were washed together. In addition, the embryos were subjected to trypsin treatment in accordance with the procedures manual of the International Embryo Transfer Society.
9. Prior to freezing, the embryos were examined over their entire surface under a microscope at a minimum of 50 x magnification to ensure that the zona pellucida was intact and free of any adherent material.
10. The embryos were placed in straws which were identified in accordance with the procedures manual of the International Embryo Transfer Society.
11. The straws were stored in a secure location approved for this purpose by the Canadian Food Inspection Agency under the direct supervision of an embryo transfer veterinarian approved for the export of embryos by the Canadian Food Inspection Agency.
12. The shipping container is either new or has been cleaned and disinfected in an approved manner. Only fresh liquid nitrogen has been used in preparing the container for export. An official seal has been placed on the shipping container.
13. Cryoprotectant used for embryos (as mentioned on Certificate of Embryo Recovery): _____
14. Name and address of owners of donor cows (dams) whose embryos are identified in Section V:

Name of dam	Owner	Address

15. Name and address of centres of donor sires (bulls) which were used for embryos identified in Section V:

Name of Sire	Artificial Insemination centre	Address

Note:
The document Form V in page 4 must be completed by the embryo collection team veterinarian and endorsed by the CFIA district office as required by the Veterinary Authorities in Pakistan to facilitate entry of the embryos at the border.



Document required by Pakistan to proceed with entry of bovine embryos.

Livestock Import and Export

Form V

Station: _____
(District office issuing HA1639 certificate)

No: _____
(Reference number of HA1639 certificate)

Date: _____
(Date of issuance of HA1639 certificate)

CERTIFICATE FOR IMPORTATION OF ANIMAL EMBRYO

I. Description of donor animal(s):

Total number of donor dams in the certificate: _____

Please refer to page 3 for details concerning each donor dam.

II. Information Concerning:

(i) Date and Time of collection:

Embryo collection period covered in the certificate: _____

Please refer to page 3 for details concerning each collection date.

(ii) Quantity and condition of shipment:

Total number of straws in the certificate: _____

Transportation mode (circle one): Air Sea

Please refer to page 3 for the number of straws for each collection date.

(iii) Artificial Insemination Centre(s) from where collected:

List semen collection center(s): _____

Please refer to page 2, section 15, for details concerning each donor bull.

(iv) Preservatives:

List cryoprotectant used: _____

Please refer to page 2, section 13, for details concerning preservative/cryoprotectant.

(v) Name and address of the owner:

Indicate name and address of the exporter: _____

Please refer to page 2, section 14, for owner of each donor dam.

III. Certified that:

- (i) the donor animal is free from disease and that the donor animal(s) was (were) examined and showed no clinical signs of any infectious or contagious disease or hereditary defects.

Veterinarian approved for embryo collection
(Name and Signature)

State Veterinary Officer
(Official Veterinarian, Canadian Food Inspection Agency)

Official Stamp

Copy to:

1. Livestock Division, Government of Pakistan, Islamabad.
2. Accompany consignment.
3. Importer.