



DEPARTMENT FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS  
SCOTTISH GOVERNMENT  
WELSH GOVERNMENT

DEPARTMENT OF AGRICULTURE, ENVIRONMENT AND RURAL AFFAIRS - NORTHERN IRELAND

EXPORT OF IN-VIVO BOVINE EMBRYOS TO INDIA

HEALTH CERTIFICATE

NO .....

EXPORTING COUNTRY: UNITED KINGDOM

FOR COMPLETION BY: OFFICIAL VETERINARIAN

I. Information concerning:

a) The donor animals

	Name	Breed	Date of birth	Place of birth	Identification marks	Registered entry in stud book
Dam						
Sire						

b) The bovine embryos

- (i) Date(s) of collection:
- (ii) Number of embryos:
- (iii) Total number of straws:
- (iv) Identification marks/labelling of straws:

II. Origin of the embryos:

a) Name and address of owner of donor dam:

b) Address of herd of origin of donor dam:

c) Address of premises at which the embryos were collected:

d) Name and address of consignor (exporter):

e) Place of loading:

**III. Destination of the embryos**

a) Name and address of consignee:

b) Address of final destination of the embryos:

c) Means of transportation (including registration number of vehicle, flight number of aircraft or name of ship):

d) Import permit number:

e) Serial number of tamper proof seal applied to shipping container:

**IV. Information concerning the embryo collection team:**

a) Registration number of the embryo collection team:

b) Name and address of approved embryo collection team veterinarian:

**V. Health Information**

I, the undersigned, certify that:

(1) the United Kingdom is free from Foot and Mouth Disease, Contagious Bovine Pleuropneumonia, Lumpy Skin Disease and Rift Valley Fever;

(2) the donor dam:

(a) showed no sign of disease on the day(s) of collection of the embryos for export;

(b) satisfies the following requirements:

**(i) Bovine tuberculosis (TB):**

\* was kept in a TB free country or zone since birth; OR

\* was kept in a TB free herd and was subjected to a comparative intradermal tuberculin test with avian and bovine purified protein derivative (PPD) tuberculins with negative results according to the Department's standard interpretation, performed within 21 to 60 days after embryo collection; OR

\* was subjected to two comparative intradermal tuberculin tests with avian and bovine purified protein derivative (PPD) tuberculins with negative results according to the Department's standard interpretation, performed with a gap of at least 60 days between the tests, the first test starting within 21 to 60 days after embryo collection;

**(ii) Trichomonosis (*Trichomonas fetus*):**

\* was kept in a Trichomonosis free country since birth; OR

\* the semen used to fertilize the donor dam comes from a certified Trichomonosis free bull and the donor dam has never been subjected to natural breeding; OR

\* direct microscopic examination and culture of vaginal mucus for the presence of the causative agent of Trichomonosis with negative results was conducted within 21 to 60 days after embryo collection;

**(iii) Paratuberculosis:**

\* was kept in a Paratuberculosis free country since birth; OR

\* was subjected to \*a Delayed Type Hypersensitivity test (DTH) \*or a Faecal Culture Test \*or an Enzyme Linked Immunosorbent Assay (ELISA), for Paratuberculosis, with negative results, within 21 to 60 days after embryo collection;

**(iv) Schmallenberg virus (SBV)**

\* was kept in a country where SBV has never been reported; OR

\* was subjected to a serological test, \*enzyme linked immunosorbent assay (ELISA) \*or virus neutralisation test (VNT), to detect antibodies to SBV, with negative results, within 21 to 60 days after embryo collection;

- (3) The embryos have been collected by technicians under the supervision of a veterinarian, who is certified for this purpose by the competent veterinary authorities of the United Kingdom, following hygienic and aseptic precautions in accordance with the recommendations of the International Embryo Transfer Society (IETS);
- (4) The embryos have been processed in a laboratory having effective protection against rodents and insects. No embryo of a lesser health status has been processed at the same time. The laboratory is under the direct control of a veterinarian and is regularly inspected by an Official Veterinarian;
- (5) The embryos have been collected from a donor dam which:
- (a) at the time of collection was inspected by a veterinarian and confirmed to be free of contagious and infectious diseases transmissible to cattle; and
- (b) \* was born in and was continuously residing in the United Kingdom; OR \* was born in (name of country) having equal or better animal health status than the United Kingdom and was legally imported into the United Kingdom at least 6 months prior to embryo collection;
- (6) The embryos were held in liquid nitrogen for a minimum period of 30 days after collection;

- (7) The semen used to inseminate the donor animals was derived from a donor bull that meets all the requirements of the export health certificate for the export of bovine semen from the United Kingdom to India;
- (8) The zona pellucida of each embryo has been examined over its entire surface area and found to be intact and free of adherent material. It has been treated with trypsin according to the recommendations of the World Organisation for Animal Health (OIE) Terrestrial Animal Health Code;
- (9) The embryo collection, holding and freezing media were sterilized and free of microorganisms;
- (10) The embryos are stored in sterile straws in new or disinfected liquid nitrogen containers and under strict hygienic conditions at a storage place approved by the competent veterinary authorities of the United Kingdom;
- (11) The straws were sealed at the time of freezing and labelled as shown in paragraph I.(b)(iv) of this certificate;
- (12) Details of the tests performed on the donor cow. *No testing is necessary in respect of diseases for which freedom status has been certified;*

Donor cow	Bovine Tuberculosis		Trichomonosis	Paratuberculosis		Schmallenberg virus	
	Test date (Test 1)	Test date (Test 2)	Test date	Test date	Test name	Test date	Test name

- (13) The embryos are being transported in containers that are either new or have been cleansed and disinfected in a manner acceptable to the competent authorities of the United Kingdom and have been filled with fresh (previously unused) liquid nitrogen. The containers are not known to contain pathogenic micro-organisms. Before dispatch, the container was sealed under veterinary supervision and the seal number is stated at paragraph III.(e) above.

\* Delete as appropriate

Official Stamp

Signed .....RCVS  
Official Veterinarian

.....  
Name in block letters

Date .....

Address .....

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