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

DEPARTMENT OF AGRICULTURE, ENVIRONMENT AND RURAL AFFAIRS, NORTHERN IRELAND

HEALTH CERTIFICATE FOR EXPORT OF IN-VIVO DERIVED BOVID EMBRYOS [SPECIFICALLY BOVINE (*Bos taurus*, *Bos indicus*, *Bison bison*), WATER BUFFALO (*Bubalus bubalis*), YAK (*Bos grunniens*)] FROM THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND TO THE UNITED STATES OF AMERICA

1. Exporting country and competent authority: NORTHERN IRELAND DAERA	2. Health certificate number: .....

A. ORIGIN OF EMBRYOS

3. Approval number of the embryo collection team:	
4. Name and address of the embryo collection team:	5. Name and address of the consignor:
6. Country where embryos were collected:	7. Means of transport:

B. DESTINATION OF EMBRYOS

8.1. Name and address of the consignee:
8.2. Port of entry into the United States:

Health certificate number .....

C. IDENTIFICATION OF THE EMBRYOS

9.1 Identification of straws/vials (freeze code)	9.2 ID # on straws	9.3 ID # of dam/ID # of sire	9.4 Breed of dam/breed of sire	9.5 Date of embryo collection	9.6 Number of straws	9.7 Indicate if sexed semen was used

10. Seal number(s) of container(s):

D. HEALTH INFORMATION

Section A (to be signed by the Team Veterinarian)

11. I, the undersigned Team Veterinarian of the described embryo collection team, hereinafter "ECT", certify, either by direct examination or based on supporting documentation in my possession that has been separately attested to by an official veterinarian, that:

11.1. During the 12 months prior to the collection of embryos for export to the United States, there was no clinical or pathological evidence of brucellosis or tuberculosis (TB) found in the donor dams or on any premises on which the donor dams were located during that time.

11.2. During the 60 days prior to the collection of embryos for export to the United States, the donor dams were not corralled, pastured, or held with animals of lesser health status or under any restrictions which would make them ineligible as embryo donors for export to the United States.

11.3. During the 60 days prior to the collection of embryos for export to the United States, the donor dams were inspected at least once and appeared healthy and were found clinically free of contagious or communicable diseases.

11.4. Each of the donors were examined on the day of embryo collection and appeared healthy and were clinically free of contagious or communicable diseases.

11.5. The donor dams originated from herds officially free of tuberculosis.

11.6 The embryos were either (retain the applicable statement and strike out the other):
* Collected prior to June 1, 2011, OR
* Collected after June 1, 2011 from donors that were negative to two serum neutralization tests for Schmallenberg virus (using a 1:8 cut-off titre), with the first performed within 30 days prior to collection and the second between 28 and 60 days after collection. Tests were performed in a laboratory approved by the Competent Veterinary Authority.

11.7. The semen used for in vivo embryo production was collected in the same region as that in which the embryos were conceived (except for semen imported from United States and/or Canada). The semen used to fertilize the embryos for export to the United States was collected in an approved semen collection centre (SCC), in accordance with applicable legislation in force in .....NORTHERN IRELAND..... (insert either Great Britain or Northern Ireland), and in accordance with the model health certificate for the import of bovid semen from UK (of GB/NI). At the time of collection of the semen, ...NORTHERN IRELAND..... (insert either Great Britain or Northern Ireland) was considered by the USDA to be free of foot-and-mouth disease and rinderpest, as listed in Title 9 Code of Federal Regulations, Part 94 and other official publications.

In addition, the semen was either (retain the applicable statement and strike out the other):

***** Collected prior to June 1, 2011, OR

***** Collected after June 1, 2011 from donors that were negative to two serum neutralization tests for Schmallenberg virus (using a 1:8 cut-off titre), with the first performed within 30 days prior to collection and the second between 28 and 60 days after collection. Tests were performed in a laboratory approved by the Competent Veterinary Authority. OR

***** The bovid semen used to fertilize the embryos for export to the United States was legally imported from the United States or Canada from U.S. origin and/or Canadian origin donors. Copies of the export health certificate for this semen must accompany the shipment of embryos to the United States.

11.7.1 ***** (Retain if applicable or strike out if not applicable)
If the embryos were fertilized with sexed semen:

11.7.1.1 ***** The semen sexing facility used to sex the semen for export to the United States is located in .....NORTHERN IRELAND.... (insert either Great Britain or Northern Ireland). The semen collection centre is under the supervision of an approved Centre Veterinarian, and is regularly inspected and approved in accordance with applicable legislation in force in the region mentioned above. The sexing facility followed the United States Department of Agriculture approved “Cleaning and Disinfection Standard Operating Protocol” while processing this semen for export to the United States, and has been approved by USDA APHIS.

11.7.1.2 ***** The integrity of the semen shipment was maintained through the semen sexing process and no semen from other donors was mixed with semen during processing.

11.8. The embryos were collected using a closed collection system, and any instrument coming in contact with reproductive tract tissue or fluids was either new or equipment sterilized before use.

11.9. The embryos were washed at least 10 times and treated with trypsin in accordance with the latest edition of the Manual of the International Embryo Transfer Society. After the last wash, each embryo was examined microscopically over its entire surface

at not less than 50x magnification. The zona pellucida of each embryo was found to be intact and free from any adherent material subsequent to washing.

11.10. Embryos from different donors were not washed together.

11.11. The storage and shipping containers were clean, recently disinfected, and empty prior to use for this project, and only fresh liquid nitrogen has been used.

*** Delete as appropriate**

12.1. Date and place	12.2. Name and address of Team Veterinarian	12.3. Signature and stamp of Team Veterinarian

Health certificate number .....

Section B (to be signed by the Official Veterinarian after the Team Veterinarian has signed)

13. I, the undersigned Official Veterinarian of ....NORTHERN IRELAND.... (insert either Great Britain or Northern Ireland), certify that:

13.1. ...NORTHERN IRELAND.... (insert either Great Britain or Northern Ireland) is considered by the USDA to be free from foot-and-mouth disease (FMD) and rinderpest as listed in Title 9 Code of Federal Regulations, Part 94 and other official publications, and was free of these diseases at the time of embryo collection;

13.2. .....NORTHERN IRELAND.... (insert either Great Britain or Northern Ireland) is free from contagious bovine pleuropneumonia;

13.3. The donor dams were part of the national herd of .....NORTHERN IRELAND.... (insert either Great Britain or Northern Ireland) for a minimum of 60 days prior to collection and were free from any movement or quarantine restrictions prior to this 60 days;

13.4. The embryos were collected from live cattle of documented health history and processed in accordance with the standards of the International Embryo Transfer Society (IETS) by an embryo collection team approved by the Competent Veterinary Authority in .....NORTHERN IRELAND.... (insert either Great Britain or Northern Ireland) and in accordance with the applicable legislation in force in that region;

13.5. All diagnostic testing of the donor dams and sires were conducted in laboratories approved by the Competent Veterinary Authority to conduct such tests for export;

13.6. All media additives of animal origin were sourced from countries considered by the USDA to be free from FMD and rinderpest. Trypsin of porcine origin was sourced from countries considered by the USDA to be free from FMD, rinderpest, classical swine fever and African swine fever as listed in 9 CFR Part 94 and other official publications.
(https://www.aphis.usda.gov/wps/portal/aphis/ourfocus/importexport?1dmy&urile=wcm%3apath%3a%2Faphis_content_library%2Fsa_our_focus%2Fsa_animal_health%2Fsa_import_into_us%2Fct_animal_disease_status);

13.7. The embryos were maintained under lock and key or in the custody of the embryo collection team veterinarian until being sealed for direct transport to the United States;

13.8. The Team Veterinarian that completed Section A of this certificate is authorized by the Competent Veterinary Authority to perform this service.

Notes:
APHIS recognises separately the regions and the disease statuses of Great Britain and Northern Ireland as stipulated in the relevant section of the Federal Register (Vol. 86 No. 155).

Health certificate number .....

14.1. Date and place	14.2. Name and address of Official Veterinarian	14.3. Signature and stamp of Official Veterinarian