

NOVEMBER 1996

IMPORT HEALTH REQUIREMENTS OF CHILE FOR FROZEN BOVINE EMBRYOS EXPORTED FROM THE UNITED STATES

The shipment must be accompanied by a U.S. origin health certificate issued by a veterinarian authorized by the U. S. Department of Agriculture (USDA), and endorsed by a Veterinary Services veterinarian.

1. IDENTIFICATION

- a) Name and address of the farm of origin of the donor cow. Include County and State.
- b) Name and address of the embryo transfer center or mobile unit.
- c) Name and address of the artificial insemination center (AI) from which the semen of the donor bull came.
- d) Date of embryo collection.
- e) Date of semen collection used to inseminate the donor cow.
- f) It must be certified that the bull and donor cow, to date, are not known to be carriers of deleterious recessive genes.
- g) Blood group of both the donor bull and cow. Such certification may be done by the private laboratories authorized to conduct the blood grouping.
- h) Complete identification of the bull and cow.

2. OF THE COUNTRY

- a) The United States is free of rinderpest, contagious bovine pleuropneumonia, lumpy skin disease, and foot-and-mouth disease without vaccination.
- b) The animals originate from a State that has been free of vesicular stomatitis during the past 12 months prior to exportation.

3. OF THE SEMEN

- a) The semen used in the production of the embryos must come from AI centers which meet the import health requirements of Chile. A certification to this effect must appear on the health certificate which accompanies the shipment of embryos.

4. OF THE DONOR COW

- a) The donor cow was born in the United States or has been in the country for at least the past 6 months prior to the collection of embryos for export to Chile.
- b) The herd of origin of the donor cow/s is/are officially (USDA) free of tuberculosis and brucellosis.

5. OF THE EMBRYO

- a) Following the last wash, the embryos were examined microscopically (at a magnification of at least 50X) to ensure that the surface and the *zona pellucida* were intact and free of any adherent material.
- b) The embryos were washed at least 10 times following the recommendation of the International Embryo Transfer Society (IETS). Each of the washes was a 100-fold dilution of the previous one.
- c) Two of the washes must include trypsin washes.
- d) Only embryos from the same donor were washed and treated together.
- e) All materials used for processing were previously sterilized or disposable.
- f) The entire process was conducted using aseptic techniques.
- g) The embryos must not be older than 8 days at collection.
- h) For micromanipulated embryos, the following certification statement must be fulfilled:

The embryos were examined over their entire surface under a microscope at a minimum 50 X magnification to ensure that the zone pellucida was intact and free of any adherent material *prior* to sexing, micromanipulation or freezing.

6. OF THE FARM OF ORIGIN

- a) All animals on the farm of origin appeared clinically healthy during and after the collection of the embryos.

7. OF THE EMBRYO COLLECTION TEAM

- a) To collect, process and store the embryos, the team must be composed of competent technicians, which includes a veterinarian who is USDA-accredited.
- b) The USDA-accredited team veterinarian is responsible for ensuring that all requirements are met.
- c) The embryo collection team has not been in contact with animals showing clinical signs of those diseases listed in List A of the Office of International Epizootics (O.I.E).

8. OF THE LABORATORY PROCESSING THE EMBRYOS

- a) There is a complete separation between the dirty and clean processing areas.
- b) During the processing and storage of embryos for export to Chile, no other embryos have been processed that come from donors of lesser health status than those in these requirements.
- c) The collection, processing and storage of the embryos were performed following the guidelines recommended by the IETS.

9. OTHER INFORMATION

- a) As of July 1, 1993, Chile dropped the requirement for consulate endorsement.