HEALTH CERTIFICATE FOR EXPORT OF BOVINE SEMEN
FROM NORWAY
TO THE UNITED STATES OF AMERICA

1. Name of national competent authority.	2. Health certificate No.

A. ORIGIN OF SEMEN

3. Approval number of the semen collection center:…….

4. Name and address of the semen collection center:	5. Name and address of the consignor

4a. Name and address of the semen sexing facility, if applicable:

6. Country and place of loading	7. Means of transport

B. DESTINATION OF SEMEN

8. Name and address of the consignee

C. IDENTIFICATION OF SEMEN

9.1 Name of donor bull	9.2 Breed	9.3 Age	9.4 Identification Number	9.5 Number of straws	9.6 Date of collection	9.7 Collection code	9.8 Indicate one: sexed semen or non-sexed semen

9.8. Seal number of container:…….

D. HEALTH INFORMATION	
Section A (to be signed by the Center Veterinarian)	
11.	I, the undersigned Center Veterinarian of the described semen collection centre, hereinafter "SCC," certify that:
11.1.	all bovine animals in the above SCC were:
11.1.1	established as residents only if admitted by a formal process of quarantine, observation, and testing as required by legislation in force, notably Annex B to Council Directive 88/407/EEC, as amended by Directive 2003/43/EC;
11.1.2.	admitted to the SCC herd only after having been proven free of brucellosis, tuberculosis, bovine genital campylobacteriosis and trichomoniasis;
11.1.3.	admitted to the SCC herd only after having been proven free of viremia from persistent bovine viral diarrhea virus infection before entry into the SCC resident herd; and
11.1.4.	were tested annually for brucellosis, tuberculosis, bovine genital campylobacteriosis, and trichomoniasis.
11.1.5.	the semen for export to the United States was either (retain the applicable statement and strike out the other) collected prior to June 1, 2011; OR The semen in the consignment was collected after June 1, 2011 from donors that were negative to two serum neutralization tests (using a 1:8 cutoff titer) for Schmallenberg virus, 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 national Competent Authority.
11.2.	in the SCC:
11.2.1.	the herd was tested for brucellosis, tuberculosis, bovine genital campylobacteriosis, and trichomoniasis in its entirety with negative results at the most recent herd test prior to the period of semen collection for export to the United States of America (USA);
11.2.2.	no clinical or other evidence of brucellosis, tuberculosis, bovine genital campylobacteriosis, trichomoniasis or leptospirosis was found since the most recent herd test and prior to the embarkation of semen to the United States;
11.2.3.	there was no evidence to indicate that the donors have been affected with tuberculosis or brucellosis during the 12 months prior to the collection of semen for export to the United States;
11.2.4.	there was no clinical evidence of infection by bovine viral diarrhea virus, bluetongue virus, or infectious bovine rhinotracheitis virus during the 60 days prior to and during the period of collection of semen for export to the United States; and
11.2.5.	all bulls passed a testing program with negative results consistent with the Terrestrial Animal Health Code of the OIE (Article 4.5.5) or as outlined in Council Directive 88/407/EEC, as amended, to detect persistent testicular bovine viral diarrhea virus infection prior to semen release.
11.3.	each donor bull for the semen described above:
11.3.1.	originated from a tuberculosis-free herd;
11.3.2.	was not corralled, pastured, or held with animals of lesser health status or under any restrictions which would make them ineligible to export semen to the United States during the 60 days prior to and during the period of collection of semen for export to the United States;
11.3.3.	was subjected with negative results to the test described in 11.4.1 to 11.4.4 within six months prior to or six months after collection of the semen described above;
11.3.4.	was subjected with negative results to the tests for bluetongue virus group (BTV) described in 11.4.5;
11.3.5.	was inspected on the date of semen collection and found to be free of clinical signs of diseases transmissible in semen.
11.4.	where reference is made to health tests, the following tests were carried out:
11.4.1.	the cervical test for bovine tuberculosis described in the OIE Manual for Diagnostic Tests and Vaccines for Terrestrial Animals;
11.4.2.	either a buffered brucella antigen test (card test, rose bengal test, or the buffered plate agglutination

test), or
an ELISA test for bovine brucellosis (indirect or competitive) in accordance with the OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, under the condition that samples that react positively were retested with negative results using a suitable confirmatory test such as the complement fixation test;

11.4.3. a polymerase chain reaction (PCR) or culture of preputial smegma for bovine genital campylobacteriosis *(Campylobacter fetus ssp. venerealis)* with negative results. The immunofluorescent antibody test may be used only as a screening test under the condition that samples that react positively must be retested using a suitable confirmatory test such as a PCR or culture of preputial smegma with negative results;

11.4.4. a PCR or a microscopic examination of a culture of preputial smegma for trichomoniasis *(Trichomonas foetus)* with negative results;

11.4.5. the donor bull was tested with an AGID or ELISA test for the bluetongue virus (BTV) group on blood serum performed prior to the first day of semen collection, at least every 60 days during the collection period, and between 21 and 60 days after semen collection, with negative results; OR

11.4.5.1 the donor bull was tested with a whole blood PCR test for BTV group with one negative test at the beginning and conclusion of the collection period, and at least every 28 days during the period of semen collection; OR

11.4.5.2 the donor bull was tested with a whole-blood virus isolation test for BTV group with one negative test at the beginning and conclusion of the collection period, and at least every 7 days during the period of semen collection.

11.5. the semen was collected and processed under my supervision and placed in individual ampules or straws which were permanently marked with the name of the donor, his registration number, or the collection code;

11.6. semen collection equipment which came into contact with bulls or their secretions and excretions was thoroughly disinfected after each use, and good laboratory practices were followed during collection and processing of semen in order to minimize the possible introduction of microbial contamination;

11.7. antibiotics were added to the semen and semen extender in amounts and combinations consistent with the standards described in "Certified Semen Services (CSS) Minimum Requirements for Disease Control of Semen Produced for AI," Appendix I, website: http://www.naab-css.org/about_css/disease_control-2002.html.

11.8. no biological products other than frozen semen or embryos qualified for shipment to the United States were present in the containers prior to use for export of semen to the United States;

11.9. the storage and shipping containers are either new or cleaned and disinfected; and

11.10. only virgin liquid nitrogen was used to export semen to the United States.

11.11. for sexed semen:

11.11.1 the semen collected and processed under my supervision was shipped to the semen sexing facility within Norway under seal or was maintained under the oversight of a center or official veterinarian.

12.1. Date and place	12.2. Name and qualification of the Center Veterinarian	12.3. Signature and stamp of the Center Veterinarian

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

13. I, the undersigned Official Veterinarian of Norway certify that:

13.1. Norway is considered by the USDA to be free of foot-and-mouth disease and rinderpest, as listed in 9 CFR Part 94 and other official publications, and was free of these diseases at the time of semen collection;
13.2. Norway is free of contagious bovine pleuropneumonia;
13.3. the donor animals for the semen to be exported to the United States have been part of the national herd of Norway for a minimum of 60 days and are free from any movement or quarantine restrictions;
13.4. the semen collection centre, hereinafter "SCC," was approved by the competent authority of Norway;
13.5. health tests required for export to the United States of bovine semen were performed by testing methods recognized by the Office International des Epizooties (OIE) Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, as acceptable for international trade;
13.6. the laboratory tests mentioned in 11.4.2. to 11.4.5.2. were carried out with negative results in a laboratory approved by the competent veterinary services;
13.7. ruminant products used in commercial semen extenders in Norway were sourced from countries considered by USDA to be free from foot-and mouth disease and rinderpest as listed in 9 CFR Part 94 and other official publications;
13.8. the semen to be exported to the United States was maintained under lock and key or in the custody of the SCC veterinarian, and segregated from other semen of lesser health status, until it was placed in the shipping container and sealed with official seals of Norway;
13.9. none of the semen for export to the USA has been stored or transported in containers with semen produced under less than equivalent animal health conditions;
13.10. the integrity of the total shipment and continuity of storage conditions for semen produced in different approved SCC units and collected in Norway (delete as appropriate);
13.11 the shipping containers were sealed with an approved seal from the competent authority of the Norway, and the seal number is recorded on the health certificate;
13.12. the semen is routed directly to the United States from Norway with no stops en route other than those provided on the USDA import permit; and
13.13. the Center Veterinarian that completed Section A of this certificate is authorized by the National Veterinary Service to perform this service.
13.14. for sexed semen:
13.14.1 the semen sexing laboratory used to sex the semen for export to the United States is located in Norway, where the semen was collected, or was imported from the United States meeting all Norway import requirements. The semen collection center is under the supervision of an approved Center Veterinarian, and is regularly inspected and approved in accordance with EU Directive 88/407/EEC. The sexing facility followed a United States Department of Agriculture approved "Cleaning and Disinfection Standard Operating Protocol" while processing this semen for export to the United States.
13.14.2 the integrity of this shipment was maintained through the semen sexing process and no semen from other donors was mixed with semen that originated from the animals listed in Part C.

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