DEPARTMENT FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS
SCOTTISH GOVERNMENT
WELSH GOVERNMENT
DEPARTMENT OF AGRICULTURE, ENVIRONMENT AND RURAL AFFAIRS, NORTHERN IRELAND

EXPORT OF OVINE SEMEN TO AUSTRALIA: PART A **No: .....**

HEALTH CERTIFICATE

EXPORTING COUNTRY: UNITED KINGDOM

FOR COMPLETION BY: AUTHORISED VETERINARY SURGEON/OFFICIAL VETERINARIAN

I. Information concerning:

a) The donor animals and semen (attached Schedule (8551SUP) refers).
b) Total number of ampoules/straws certified:

II. Origin of the semen

a) Approval of ovine semen collection centre for export to Australia

Name of approved centre where the semen was collected: Address of approved centre:	Name of centre veterinarian: Telephone: Email:

b) Name and address of the owner of the donor ram(s):

c) Name and address of exporter:

III. Destination of the semen

a) Name and address of consignee:

b) Address of final destination of the semen:

c) Serial number on shipping/transport container:

d) Means of transportation and all available details of shipment:

e) Import permit number(s):

IV. Health Information

I, the undersigned, certify that:

1) This consignment consists of frozen semen in straws or semen pellets collected from sheep that immediately prior to the pre-collection period were living in the United Kingdom.

[The pre-collection period is the 30 day period immediately prior to the first collection of semen for this consignment.]

2) **Approval of semen collection centre for export to Australia.**
The semen was collected and processed in a Semen Collection Centre (SCC) meeting the World Organisation for Animal Health (OIE) Code requirements for accreditation. The ovine semen in this consignment was collected, handled and stored in accordance with the OIE Code.

3) Semen collections were performed under the supervision of either the centre veterinarian or the official veterinarian.

4) **Clinical examination.** Donors were clinically inspected at least each week during the pre-collection period and on each day blood samples were collected and, at each inspection, were found to be free from signs of contagious and infectious diseases (by the accredited SCC veterinarian, Official Veterinarian or a registered veterinarian appointed by the centre veterinarian and acting under written instruction).

5) **Isolation.** Each donor was isolated from all ruminants, except other donors of equivalent health status, during the pre-collection and the collection periods.

6) **Vaccinations.** Donors were not vaccinated against any diseases, except tetanus using a killed vaccine, during the precollection period nor during collection.

7) **Testing.** Blood and/or fleece samples were collected from each donor for diagnostic tests or DNA testing by the centre veterinarian, the Official Veterinarian or a registered veterinarian appointed by the centre veterinarian and acting under written instruction.

[The testing program may be subject to direct audit by Department of Agriculture at any time.] All tests were performed at laboratories, and using tests, approved by the Veterinary Administration of the exporting country.

8) **Scrapie** – freedom assurance The semen donors have lived only in a country or zone where:

i) scrapie has been compulsorily notifiable during the previous 6 years;
ii) an effective and continuous national surveillance system is practiced;
iii) brains from clinically suspect animals are examined in a laboratory in accordance with the diagnostic techniques set out in the OIE Manual of Standards for Diagnostic Tests and Vaccines or the USDA Voluntary Scrapie Flock Certification Program Standards, Appendix 1;
iv) the feeding of ruminant derived meat-and-bone meal to sheep and goats is banned;
v) scrapie-affected sheep and goats are slaughtered and their carcasses disposed of in a manner that would reliably preclude the spread of scrapie infective agent (such as complete incineration);
vi) all scrapie affected animal can be traced back to their flock of birth.

The semen donors originate from flocks in which no case of scrapie has been confirmed or suspected during the 5 years immediately prior to semen collection. All animals were identified and can be traced back to their flock of birth. Records of parentage, and movements of animals in and out of the flock, are maintained for a minimum period of 5 years. During the previous 5 years, introductions were only permitted from flocks with equivalent scrapie status. No animals have commingled with flocks of lower scrapie status during the previous 5 years.

[Applications will also be considered where information is available which would provide equivalent security for flock freedom for scrapie. Applications for this option must be made to Department of Agriculture through the Veterinary Administration of the exporting country.]

9) **Foot and mouth.** Immediately prior to the pre-collection period each donor was living in the United Kingdom or a zone of the UK recognised by the World Organisation for Animal Health (OIE) as being free from foot and mouth disease.

The semen was not collected between 1 January 2001 and 15 January 2002 and between 1 July 2007 and 18 February 2008 (inclusive of these dates).

10) **Sheep and goat pox.** The exporting country meets the OIE Code Article definitions for country freedom from sheep and goat pox (capripox virus).

11) **Enzootic abortion of ewes (EAE).** Each donor has lived on premises in which EAE had not been diagnosed during the 2 years immediately prior to the pre-collection period and gave a negative result to a CFT test for EAE during the pre-collection period.

12) **Contagious agalactia (CA).** Each donor has lived on premises in which contagious agalactia had not been diagnosed during the 6 months immediately prior to the pre-collection period

13) **Maedi-visna (MV).** Donors were either:
*i) part of an accredited MV free flock immediately prior to semen collection as recognised by the Veterinary Administration

OR:
*ii) immediately prior to semen collection, part of a flock in which MV had not been diagnosed during the previous 3 years. During this 3 year period the donors had no physical contact with goats (apart from incidental contact with goats off the flock premises such as occurs at shows and sales). No animals were introduced from flocks with a lesser disease status and each donor gave a negative result to either an approved ELISA, for MV antibodies on two blood samples collected 30 days apart during the pre-collection period, at the time of collection or at autopsy.

OR:
*iii) sourced from a closed flock where the flock tested negative for MV using an approved AGID or ELISA and a sample size sufficient to provide 95% probability of detecting MV at 10% prevalence. Testing of the flock took place within the 6 months immediately prior to export.

[The veterinary certificate must indicate the option that applies. The attached

table must include dates of sampling for test, type of tests used, test results.]

14) **Jaagsiekte**. Each donor has only lived in flocks that include animals older than 5 years. After due enquiry and examination of official records, all animals in flocks which included the donor remained free from Jaagsiekte, based on the absence of clinical signs, for at least 5 years immediately prior to collection of semen.

During the 5 year period immediately prior to the collection of semen, no animals were introduced from flocks with a lesser Jaagsiekte status. Each donor gave a negative result to a pathological examination or immune or nucleic acid test for jaagsiekte virus/viral components in lung and associated lymphoid tissues in accordance with procedures approved by the Veterinary Administration for the detection of Jaagsiekte.

[Testing must be carried out at a laboratory approved by the Veterinary Administration to carry out histopathological diagnosis and/or immune or nucleic acid detection testing. The attached table must include dates of sampling for test, type of tests used, test results.]

* Delete as appropriate

Stamp

Signed ..... RCVS

.....
Name and title in block letters

Telephone Number
E-mail address

Authorised Veterinary Surgeon at the Approved Semen Collection Centre at

Date ..... **.....**

CONTINUED ON 8551CON PART B

DEPARTMENT FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS
SCOTTISH GOVERNMENT
WELSH GOVERNMENT
DEPARTMENT OF AGRICULTURE, ENVIRONMENT AND RURAL AFFAIRS, NORTHERN IRELAND

EXPORT OF OVINE SEMEN TO AUSTRALIA: PART B **No: .....**

HEALTH CERTIFICATE

EXPORTING COUNTRY: UNITED KINGDOM

FOR COMPLETION BY: AUTHORISED VETERINARY SURGEON/OFFICIAL VETERINARIAN

IV. Health Information (Continued)

I, the undersigned, certify that:

15) **Bluetongue (BT).** Prior to the export of this consignment each semen donor must be certified as follows for Bluetongue:
EITHER
*(i) A competitive enzyme linked immunosorbent assay (cELISA) for antibody to the bluetongue virus group on a blood sample, with negative results, at least every 60 days throughout the semen collection period and between 28 and 60 days after the final semen collection for this consignment.

OR:
ii) An agent identification test for bluetongue virus on blood samples drawn from each donor at commencement and conclusion of, and at least every seven days (virus isolation test) or at least every 28 days [approved polymerase chain reaction (PCR) test] during semen collection for this consignment, with negative results.

** Real time reverse transcriptase- polymerase chain reaction (RT-PCR) tests must be approved by the competent authority and be able to detect all known 24 BTV serotypes. These tests must use primer sequences directed against highly conserved segments of the bluetongue virus (BTV) genome which code for BTV serogroup (not serotype). An example of an appropriate test is the TaqMan real time RT-PCR test according to the method of Shaw et al. (2007), which uses two primers directed against segment 1 of BTV ribonucleic acid (RNA). [Serological testing for BTV antibodies with agar gel immunodiffusion (AGID) tests should not be used.]*

[All tests for BTV should be validated according to the current OIE Manual of diagnostic tests and vaccines for Terrestrial Animals, calibrated to a diagnostic sensitivity of at least 98.0% and carried out in a laboratory approved by the competent authority of the exporting country.]

AND:
(iii) Donors vaccinated against BTV: Yes / No

If Yes, vaccines against BTV administered to semen donors must be: ·
inactivated, and approved by the competent authority in the exporting country, and administered more than 60 days before semen collection for this consignment.

Name of BTV vaccine used:
Date of administration of BTV vaccine to semen donor:

[The veterinary certificate must indicate the option that applies. The attached table must include dates of sampling for test, type of tests used, test results.]

16) **Johne's disease (M. paratuberculosis).** Donors have been kept in a flock/herd in which no case of paratuberculosis was diagnosed or officially reported during the two years immediately prior to collection.

17) **Brucella ovis** infection. Donors EITHER:
*i) lived only in countries in which B. ovis infection has not been reported

OR:
*ii)has lived only in flocks recognised as accredited free by the Veterinary Administration or

OR:
*iii)gave a negative result to a complement fixation test (CFT) or an absorbed enzyme-linked immunosorbent assay (ELISA) for B. ovis between 90 days before the first collection of semen and export.

[The veterinary certificate must indicate the option that applies. The attached table must include dates of sampling for test, type of tests used, test results.]

18) **Brucella melitensis infection.** Donors EITHER:

*i) lived only in a country or zone which meets Code requirements for country freedom (Article 2.4.2.2.)

OR:
*ii) immediately prior to the pre-collection period, was part of a flock officially free from B. melitensis infection (Article2.4.2.3.) and gave a negative result to a CFT and a Rose Bengal plate agglutination test for B. melitensis infection on the same blood sample taken during the pre-collection period or at autopsy.

[The veterinary certificate must indicate the option that applies. The attached table must include dates of sampling for test, type of tests used, test results.

19) **Schmallenberg virus**. Prior to the export of this consignment each semen donor must be certified as follows for Schmallenberg virus:

For semen collected on or after 1 June 2011, a virus neutralisation test (VNT) or approved indirect ELISA for antibody to the Schmallenberg virus on a blood sample collected **EITHER** between (14) and sixty (60) days after the last collection of semen from the donor for this consignment with negative results **OR** between fourteen (14) and sixty (60) days before first collection of semen from the donor for this consignment with positive results

[The veterinary certificate must indicate the option that applies. The attached table must include dates of sampling for test, type of tests used and test results. Laboratory reports for all Schmallenberg virus testing must be provided and attached to the veterinary health certificate.]

20) **Scrapie – post mortem.** The semen donors were at least 5 years of age at the time of post mortem. Before the export of semen each donor was autopsied under the supervision of an Official Veterinarian or a registered veterinary pathologist employed at a veterinary laboratory approved by the Veterinary Administration and acting under written instruction from the Official Veterinarian. The donors gave a negative result to tests for scrapie prion protein (PrPsc) on specimens of brain, brain stem, spinal cord, palatine tonsils, spleen, mesenteric lymph nodes and distal ileum using immunohistochemical methods or techniques of equivalent sensitivity in accordance with procedures laid down by the Veterinary Administration for the detection of scrapie infective agent.

[This testing must be carried out at a laboratory approved by the veterinary administration to carry out testing for scrapie prion protein (PrPsc).]

21) **Scrapie – genotype.** The semen donors are of a homozygous PrP genotype known to be susceptible to scrapie, in relation to the particular breed of sheep (approved by Department of Agriculture), as verified in the attached certificate/s from a laboratory/laboratories officially approved by the Veterinary Administration to do

PrP genotype testing.

[Breeds and genotypes permitted without consultation with the department: Suffolk – QQ at Codon 171, and Cheviot, Texel, Charollais – VRQ/VRQ (at Codons 136/154/171). Requests for the importation of semen from other breeds will be considered by the department after receiving details of breed specific PrP genotype and scrapie susceptibility through the Veterinary Administration of the exporting country.]

22) **Disinfection of equipment** - Equipment that came in contact with the semen was either new or treated by a process recommended for the disposal of TSE infective agents in accordance with the recommendations of the Veterinary Administration prior to contacting the semen.

[TSE disinfection processes include autoclaving at 136 degrees C for 1 hour or soaking in a 2 percent available chlorine solution (equivalent to 20,000 ppm) for 1 hour. (from Appendix 2 USDA Voluntary Scrapie Flock Certification Program Standards)]

23) **Shipping containers** (Liquid nitrogen shippers/tanks) The shipping container was new or Prior to loading, the shipping container was emptied and inspected and any loose straws removed. The shipping container, including all surfaces in contact with the straws, ampoules or vials was then disinfected with one of the following disinfectants: 2% available chlorine (e.g. chlorine bleach), 2% Virkon, Hydrogen peroxide >0.1% (e.g. Prevail/Rescue) or irradiated at 50 kGy.

Date of disinfection/ irradiation
Disinfectant used/ active ingredient
[The veterinary certificate must indicate the option that applies. For used shipping containers, the date of disinfection, the disinfectant used and its active chemical must be recorded on the health certificate.]

24) **Official Government Seals** Under the supervision of an Official Veterinarian prior to export to Australia:

- The containers (e.g. straws, ampoules or vials) for reproductive material in this consignment were checked as being sealed;
- The identity of the reproductive material was checked prior to being placed into new, unused liquid nitrogen in a shipping container for export that was new or disinfected as specified in this veterinary certificate;
- Only reproductive material that met Australian import conditions was added to the shipping container;
- The shipping container was sealed with an officially inspected seal and the number or mark on the seal recorded on the certificate.

Shipping container officially inspected seal number

*** Delete as appropriate**

Stamp

Signed ..... **RCVS**

.....
Name and title in block letters
Telephone Number
E-mail address

Authorised Veterinary Surgeon at the Approved Semen Collection Centre at

Date .....

.....

V . COUNTERSIGNATURE

I, the undersigned, hereby certify that the above two-part health certificate,

8551EHC PART A and 8551CON PART B, has been issued by
who is a veterinary surgeon authorised by this Department as a centre veterinarian;

Stamp

Signed ..... RCVS

.....
Name and title in block letters

Telephone Number
E-mail address
Official Veterinarian of the Department

Date .....

DEPARTMENT FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS
SCOTTISH GOVERNMENT
WELSH GOVERNMENT
DEPARTMENT OF AGRICULTURE, ENVIRONMENT AND RURAL AFFAIRS, NORTHERN IRELAND

Export Of Frozen Ovine Semen From Great Britain To Australia

Appending Schedule to Export Health Certificate serial number: .....

Australian Import Permit Number:

I. Information concerning the donor ram(s)

a)Donor identity and residency details.

Breed	Herd or studbook number	Eartag,tattoo brand or microchip number	Name

Herd or studbook number	Date of pre-entry isolation	Date of entry into collection centre / resident herd

b) **Microchip**. Prior to entry into quarantine each donor was individually identified by microchip implanted midline between the shoulder blades or behind the ear.

c) **Donor test record.**

Donor	Disease	Test type	Test dates	Result

*Continue test record on a separate schedule if required.

II. Information concerning the semen

a) Date(s) of collection:

b) Number of ampoules/straws and volume of each:

c) Permanent identification marks on ampoules or straws indicating date of semen collection, registered names and numbers of donors and Centre identity:

This information may be provided in code form with an explanation of the code as follows

III. Health information concerning the semen

a) **For sex sorted semen**, EITHER:

*i) Sex sorted semen is NOT included in this shipment;

OR;
*ii) Sex sorted semen IS included in this shipment;

AND:
iii) equipment used for sex-sorting sperm was cleaned and disinfected between animals according the sex semen licensor’s recommendations; and - where seminal plasma, or components thereof, was added to sorted semen prior to cryopreservation and storage, it was derived from animals of same or better health status.

[The veterinary certificate must indicate the option that applies.]

b) **Storage at Approved Centre(s) or Laboratory(ies)**.
From the time of collection until export, the reproductive material in this consignment was stored:

i)in sealed containers (e.g. straws, ampoules or vials) and identified in a legible and non-erasable manner as specified in this veterinary certificate
ii) only with other embryos or semen collected for export to Australia, or of equivalent health status
iii) in a secure place within an approved centre or laboratory and under the supervision of the Approved Veterinarian(s),
AND:
iv) in containers containing only new, unused liquid nitrogen.

c) **Further processing or aggregation**.
For this reproductive material, EITHER:
*i) After leaving the approved centre under seal in shipping containers (liquid nitrogen shippers/tanks), the reproductive material was NOT removed from sealed containers (e.g. straws, ampoules or vials) for further processing or removed from the shipping container(s) for aggregation with other reproductive material.

OR:
*ii)Reproductive material was shipped to another approved centre or laboratory under seal in shipping containers (liquid nitrogen shippers/tanks) and removed from sealed containers (e.g. straws, ampoules or vials) for further processing (e.g. sex sorting) or for aggregation:

- with other reproductive material collected for export to Australia, or of equivalent health status
- at an approved centre or laboratory and
- under the supervision of the Approved Veterinarian(s).

The date(s) of transfer between the approved centre(s) or laboratory(ies), reason for transfer(s) (e.g. for sex sorting), name(s) of the approved centre(s) or laboratory(ies) and the Government approved veterinarian(s) are listed against the shipping container/s on this certificate before departure from the approved centre or laboratory. The unique seal number of each shipping container is included in this documentation.

NOTE: For transfers to another approved centre or laboratory, the Approved Veterinarian must ensure the shipping containers are transferred under seal as described below:

Date of transfer
Reason for transfer

Name of approved centre / laboratory

Approved veterinarian(s)

Shipping container seal number(s)

[The veterinary certificate must indicate the option that applies.]

*** Delete as appropriate**

Stamp

Signed ..... RCVS

.....
Name and title in block letters
Telephone number:
E-mail address:

Authorised Veterinary Surgeon at the Approved Semen Collection Centre at

Date ..... **.....**

VI. COUNTERSIGNATURE

I, the undersigned, hereby certify that the above supplementary health certificate, 8551SUP, has been issued by who is a veterinary surgeon authorised by this Department as a centre veterinarian;

Stamp

Signed ..... RCVS

.....
Name and title in block letters
Telephone Number:
E-mail address:
Official Veterinarian of the Department

Date .....