IMPORT HEALTH REQUIREMENTS OF URUGUAY FOR FROZEN BOVINE SEMEN FROM THE UNITED STATES OF AMERICA

The semen must be accompanied by a U.S. Origin Health Certificate issued by a veterinarian authorized by the U.S. Department of Agriculture (USDA) an endorsed by a Veterinary Services (VS) veterinarian. The certificate shall contain the name and address of both the consignor and consignee and complete identification of the semen to be exported. Additional information shall include:

CERTIFICATION STATEMENTS

1 The United States is free of foot-and-mouth disease.

2 The bulls of the resident herd at the center are not used for natural service nor were they used for natural service during the isolation period.

3 The semen for this shipment was collected from clinically healthy bulls. At least 30 days have elapsed since collecting the semen and no evidence of clinical disease has been noted in the donor bulls.

4 During the 2 years preceding the collection of semen for export, there has been no evidence of clinical infectious bovine rhinotracheitis (IBR) at the center.

5 No clinical cases of bovine viral diarrhea (BVD) have been observed at the center during the 12 months preceding the collection of the semen for this export.

6 The method of semen collection and processing, minimum sperm count/unit and the type and concentration of antibiotics used must be stated on the certificate.

7 The artificial insemination center is a participant in good standing of the Certified Semen Services (CSS) or equivalent, and is under the direct supervision of a USDA-accredited veterinarian.

8 BSE:
   a) The donor is clinically free of BSE.
   b) No descendant of the donor has been found (or reported) to be infected with BSE.
   c) The parents of the donor have not been found (or reported) to be infected with BSE.
   d) During the previous 5 years the donor has not been on premises with cases of BSE.
   e) Feeding of ruminant origin meat-and-bone meal and greaves to ruminant animals is prohibited in the United States as of August 4, 1997, and this prohibition is effectively enforced.

9 United States has never reported a case of Schmallenberg disease/ Estados Unidos nunca ha reportado un caso de la enfermedad de Schmallenberg.

TEST REQUIREMENTS
Every 6 months the donor bulls are tested with negative results to the following diseases. Note that PCR and Virus Isolation tests require to be done on the date of semen collection:

1. Tuberculosis: intradermal caudal fold test using mammalian PPD tuberculin

2. Brucellosis: standard tube test (STT) or standard plate test (SPT), at the 1:50 dilution (30IU/ml), OR particle complement fluorescent immunoassay (PCFIA) test
3. Trichomoniasis: culture of preputial washings

4. Campylobacteriosis: culture of preputial washings, or fluorescent antibody test

5. Enzootic Bovine Leukosis (EBL): agar-gel immunodiffusion (AGID), or ELISA test or PCR on semen on the date of semen collection.

6. Paratuberculosis: Complement fixation (CF) test, OR ELISA test, OR fecal culture (fecal culture can be done every 12 months)

7. Leptospirosis: Microtiter agglutination test at the 1:400 dilution for serotypes canicola, grippotyphosa, hardjo, Pomona and icterohaemorrhagiae.

8. IBR:
   Serum neutralization (SN) test at 1:8 dilution*; OR,
   ELISA at 1:2 dilution*; OR,
   Virus isolation, Or,
   PCR on semen.

   *Seropositive animals may be subjected a PCR test of semen to qualify for export.

9. Bluetongue: AGID test, OR ELISA test, or PCR on semen on the date of semen collection.

10. Bovine Viral Diarrhea: Viral isolation or ELISA for the detection of antigen in samples of whole blood or serum, or a sample of frozen semen from each batch (collection of a donor on the same date) to be exported should be subjected to the RT-PCR test or viral isolation

NOTE: The pre-collection test results and (if available, and depending on the testing schedule), post-collection test results must be noted on the health certificate.

11. Vesicular stomatitis: Serum neutralization (SN) test at a 1:32 dilution OR CF OR ELISA OR Virus isolation on semen, OR, PCR on semen.
GENERAL REQUIREMENTS

1. Prior to being admitted into the center (becoming residents of the herd), the donor bulls must be isolated for a period of no less than 60 days during which time they must be tested, with negative results, for the following diseases:

   a. Tuberculosis: Intradermal caudal fold test using mammalian ppd tuberculin
   b. Brucellosis: SPT on STT at 1:50 (30IU/ml)
   c. Bluetongue: AGID, OR ELISA OR PCR on the date of collection
   d. Bovine leukosis: AGID, OR ELISA OR PCR on the date of collection
   e. Leptospirosis: Microtiter agglutination test - no greater than 1:400
   f. Paratuberculosis: fecal culture, OR ELISA, OR CF test.
   g. Trichomoniasis: Culture of the preputial smegma from at least five (5) samples collected at 7-day intervals. Note: animals less than 12 months old need only be tested three times at 7-day intervals.
   h. Campylobacteriosis: Culture of the preputial smegma, OR fluorescent antibody test from at least five (5) samples collected at 7-day intervals. Note: animals less than 12 months old need only be tested three times at 7-day intervals.

2. All bovines in the center must be under continuous veterinary supervision.

3. All bovines in the center must be housed in facilities that are separate from other farms and buildings having livestock which are not part of the center.

4. Every 6 months all donor bulls must be tested with negative results to the following diseases: brucellosis, tuberculosis, bluetongue, IBR, BVD, trichomoniasis, campylobacteriosis, leptospirosis, and enzootic bovine leukosis.

5. Every 12 months all donor bulls must be tested with negative results for paratuberculosis.

OTHER INFORMATION

The government of Uruguay requests an additional declaration for semen from Holstein donor bulls, which we recommend be separate from the health certificate as follows: “The donor bulls were tested and found to be negative to BLAD and CMV. No genetic anomalies derived from recessive genes were detected.”

NOTE:
The attached health certificate may be used for exporting bovine semen to Uruguay.
INTERNATIONAL HEALTH CERTIFICATE FOR FROZEN BOVINE SEMEN EXPORTED FROM THE UNITED STATES OF AMERICA TO URUGUAY/CERTIFICADO ZOOSANITARIO INTERNACIONAL PARA SEMEN BOVINO CONGELADO EXPORTADO DESDE LOS ESTADOS UNIDOS DE AMERICA A URUGUAY

Part A: IDENTIFICATION

1. Species and Commodity: BOVINE SEMEN

2. Exporting Country: UNITED STATES OF AMERICA

3. Country of destination: URUGUAY

4. Issuing Authority: UNITED STATES DEPARTMENT OF AGRICULTURE

5. Donor Identification:

<table>
<thead>
<tr>
<th>RegisteredName</th>
<th>ID</th>
<th>Breed</th>
<th>No. of straws</th>
<th>Collection date</th>
<th>Straw ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Número de registro</td>
<td></td>
<td>Raza</td>
<td>Num de Pajillas</td>
<td>Fecha de colecta</td>
<td>Identificación de pajilla</td>
</tr>
</tbody>
</table>

**Attach additional pages as needed
Adjuntar páginas adicionales si es necesario
† Registration number, ear tag, tattoo or other official identification
Número de registro, arete, tatuaje u otra identificación oficial

6. Consignment Description:
Descripción de la consignación
a) Total number of straws: ____________________________
Número de pajillas

7. Origin of the Semen:
Origen del semen
a) Name of exporter or center:
Nombre del exportador ó del centro de inseminación
b) Address: _______________________________________
Dirección ________________________________________
8. Destination of the Semen:

   Destino del semen
   a) Name of Consignee:
      Nombre del consignatario
   b) Address:________________________________________
      Dirección________________________________________

Part B: HEALTH REQUIREMENTS
REQUISITOS SANITARIOS

Donor bull identification/Identificación del toro donante:

Name/Nombre Identification/Identificación

TESTING (PRUEBAS)

The donor bulls were negative to the following tests within 6 months prior to semen collection. PCR and Virus Isolation tests require to be done on the date of semen collection:

Los toros donantes tuvieron resultados negativos a las siguientes pruebas dentro de los seis meses anteriores a la coleción del semen. Las pruebas de PCR y aislamiento viral requieren ser efectuadas el día de la colecta de semen:

<table>
<thead>
<tr>
<th>DISEASE/Enfermedad</th>
<th>TEST/Prueba</th>
<th>DATE/Fecha</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Tuberculosis:</td>
<td>Intradermal skin test in caudal fold using PPD tuberculin Prueba intradérmica con tuberculina PPD</td>
<td></td>
</tr>
<tr>
<td>2. Brucellosis:</td>
<td>SPT or STT at the 1:50 dilution, OR particle concentration fluorescent immunoassay (PCFIA) Prueba de tubo ó placa a dilución (1:50) ó prueba de PCFIA</td>
<td></td>
</tr>
<tr>
<td>3. Bluetongue:</td>
<td>agar –gel immunodiffusion (AGID), or ELISA test or PCR on semen (on the date of semen collection) Lengua azul: Inmunodifusion en agar gel (AGID), o ELISA, o PCR en semen (efectuadas el día de la colecta de semen)</td>
<td></td>
</tr>
<tr>
<td>4. Trichomoniasis:</td>
<td>culture of preputial smegma cultivo de esmegma prepucial</td>
<td></td>
</tr>
<tr>
<td>5. Campilobacteriosis:</td>
<td>Culture of preputial smegma, OR Fluorescent antibody test Cultivo de esmegma prepucial, ó Prueba fluorescente de anticuerpos</td>
<td></td>
</tr>
<tr>
<td>6. Paratuberculosis:</td>
<td>CF (1.8) ( Fijación de complement OR ELISA Ó prueba de ELISA OR fecal culture Ó cultivo fecal</td>
<td></td>
</tr>
<tr>
<td>DISEASE/Enfermedad</td>
<td>TEST/Prueba</td>
<td>DATE/Fecha</td>
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<tr>
<td>7. Leptospirosis:</td>
<td>Microtiter agglutination test at the 1:400 dilution for serotypes canicola, grippotyphosa, hardjo, Pomona and icterohaemorrhagiae. Prueba de aglutinación de microtítulo, a una dilución de 1:400 para los serotipos L. canícola, L. grippotyfosa, L. hardjo, L. Pomona, y L. icterohaemorrhagica</td>
<td>__________</td>
</tr>
<tr>
<td>8. Infectious Bovine Rhinotracheitis-IBR:</td>
<td>Serum Neutralization (SN) test at 1:8 dilution; OR ELISA test at 1:2 dilution; OR Virus Isolation, OR PCR on semen. (list test type and date) Prueba de Seroneutralización a dilución 1:8; O Prueba de ELISA a dilición 1:2; O PCR en semen.</td>
<td>__________</td>
</tr>
<tr>
<td>9. Enzootic bovine leukosis:</td>
<td>agar-gel immunodiffusion (AGID), or ELISA test, or PCR on semen on the date of semen collection Leucosis Enzootica Bovina (LEB): Inmunodifusion en agar gel (AGID), o ELISA, ó PCR en semen en la fecha de colecta del semen</td>
<td>__________</td>
</tr>
<tr>
<td>10. Vesicular stomatitis:</td>
<td>Serum neutralization (SN) test at a 1:32 dilution OR CF OR ELISA, OR, Virus isolation on semen, OR, PCR on semen. Estomatitis Vesicular: Prueba de seroneutralización (SN) a una dilución de 1:32 OR CF OR ELISA, Ó Aislamiento viral en semen, Ó, PCR en semen</td>
<td>__________</td>
</tr>
<tr>
<td>11. Bovine Viral Diarrhea:</td>
<td>Viral isolation or ELISA for the detection of antigen in samples of whole blood or serum, or a sample of frozen semen from each batch (collection of a donor on the same date) to be exported should be subjected to the RT - PCR test or viral isolation Diarrea Viral Bovina: Aislamiento viral o ELISA para la detección de antígeno en muestras de sangre totalo suero, o una muestra de semen congelado de cada partida (colecta de un dador en una misma fecha) a ser exportada deberá ser sometida a la prueba de RT - PCR o aislamiento viral.</td>
<td>__________</td>
</tr>
</tbody>
</table>
CERTIFICATION STATEMENTS / CERTIFICACIONES

1. The United States is free of foot-and-mouth disease.
   *Los Estados Unidos es país libre de fiebre aftosa.*

2. The bulls of the resident herd at the center are not used for natural service nor were they
   used for natural service during the isolation period.
   *Los toros residentes del centro no son, ni han sido, usados para monta natural durante el
   periodo de aislamiento.*

3. The semen for this shipment was collected from clinically healthy bulls. At least 30 days have
   elapsed since collecting the semen and no evidence of clinical disease has been noted in the
   donor bulls.
   *El semen de esta embarcación fue recolectado de toros clínicamente sanos. Estos toros han
   pasado por lo menos 30 días desde que el semen fue recolectado sin mostrar ningún sintoma
   de enfermedad.*

4. During the 2 years preceding the collection of semen for export, there has been no
   evidence of clinical infectious bovine rhinotracheitis (IBR) at the center.
   *Durante los dos años anteriores a la recolección del semen para exportación, no hubo
   evidencia de infección clínica de rinotraqueitis bovina en el centro.*

5. No clinical cases of bovine viral diarrhea (BVD) have been observed at the
   center during the 12 months preceding the collection of the semen for this
   export.
   *Durante los doce (12) meses anteriores a la recolección del semen para esta exportación,
   no se han observado casos clínicos de diarrea viral bovina en el centro.*

6. The method of collection and processing:
   *Método de recolección y procesamiento:*

   Minimum sperm count/unit:
   *Número mínimo de esperma por unidad:*

7. The artificial insemination center is a participant in good standing of the Certified
   Semen Services (CSS) or equivalent, and is under the direct supervision of a
   USDA- accredited veterinarian.
   *El centro es participante de los Servicios de Semen Certificados ó equivalente, y
   está bajo la supervisión directo de un veterinario acreditado del USDA.*

8. Regarding bovine spongiform encephalopathy (BSE/EEB):
   *Con respecto a la encefalopatía espongiforme bovina (EEB):*
   
   a) The donor is clinically free of BSE.
      *El donante no se encuentre afectado clínicamente de EEB.*

   b) No descendant of the donor has been reported to be infected with BSE.
      *Ninguna descendencia del donante haya sido reportada como afectada de EEB.*

   c) The parents of the donor have not been found (or reported) to be infected with BSE.
      *Los padres del donante no han sido reportados como afectados de EEB.*

   d) During the previous 5 years the donor has not been on premises with cases of
      BSE. *Durante los 5 años previos el donante no ha permanecido en predios que
      hubieran tenido casos de EEB.*
e) Feeding of ruminant origin meat-and-bone meal and greaves to ruminant animals is prohibited in the United States as of August 4, 1997, and this prohibition is effectively enforced.

En los Estados Unidos se prohíbe alimentar a los animales ruminate con harinas de carne y hueso y chicharrones de origen rumiante desde el 4 de agosto de 1997. Esta prohibición se cumple efectivamente.

9. United States has never reported a case of Schmallenberg disease/ Estados Unidos nunca ha reportado un caso de la enfermedad de Schmallenberg.

Name and Address of Accredited Veterinarian/Nombre y dirección del veterinario Acreditado

Name of Endorsing Federal Veterinarian/Nombre del Veterinario Federal

( ) __________ ( ) ______________
Date issued and signature of Accredited Veterinarian/Fecha y firma del veterinario acreditado

Date Endorsed and Signature of Endorsing Federal Veterinarian/ Fecha y firma del Veterinario Federal