

**Veterinary Health Certificate for Export of  
Porcine Semen from the United States of America to South Africa**



**Veterinary Authority**

UNITED STATES DEPARTMENT OF AGRICULTURE

**Date Of Issue**

**Certificate Number**

**1. Consignor:**

**2. Consignee:**

**3. Country Of Origin:**

USA

**4. State Of Origin:**

**5. Country Of Destination:**

South Africa

**6. Zone Of Destination:**

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**7. Place Of Origin:**

**8. Port Of Embarkation / Border Crossing:**

**9. Estimated Date Of Shipment:**

**10. Means Of Transport:**

11. \*\*\*\*\*  
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12. CITES Permit Number:  
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**13. Description Of Commodity:**

Porcine Semen

**14. Date Of Inspection:**

**15. Total Quantity:**

**16. Additional Information:**

**17. Total Number Of Packages/Containers:**

**18. Identification / Seal Numbers:**

**19. Commodities Intended Use:**

N/A

**20. Type Of Admission:**

**21. Identification Of Commodities:**

(See next page)

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**21. Identification Of Commodities: Continued**

Official Identification of Donor	Breed of Donor	Semen Collection Date(s)	Straw Identification / Collection Code	Number of Straws

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**Additional Field(s):**

<b>SOUTH AFRICAN VETERINARY IMPORT PERMIT NUMBER:</b>	
<b>NAME OF SEMEN COLLECTION CENTER:</b>	
<b>ADDRESS OF SEMEN COLLECTION CENTER:</b>	

**Certification Statements:**

I, the undersigned USDA accredited veterinarian, authorized thereto by the USDA-APHIS-VS, certify the following requirements are met:

**1. COUNTRY FREEDOM**

a. The United States of America is free from foot and mouth disease, African swine fever, classical swine fever (hog cholera), blue eye disease (porcine rubulavirus), Japanese encephalitis and swine vesicular disease, all without use of vaccination

**2. FARM / HERD OF ORIGIN**

a. Donor boars originate from farms/herds that have had no clinical cases of the following diseases during the six months immediately preceding semen collection:

- i. Brucellosis
- ii. Tuberculosis
- iii. Aujeszky's disease (pseudorabies)
- iv. Porcine respiratory and reproductive syndrome (PRRS)
- v. Transmissible gastroenteritis (TGE)
- vi. Porcine epidemic diarrhea (PED)
- vii. Porcine respiratory coronavirus (PRCV)
- viii. Porcine deltacoronavirus (PDCoV)
- ix. Swine influenza H1N1 and H3N2
- x. Leptospirosis
- xi. Vesicular stomatitis virus (VSV)

**3. SEMEN COLLECTION CENTER**

a. Is officially approved by APHIS and under the direct supervision of a USDA accredited veterinarian.

b. During the three months of residency and through the 28 days of post collection minimum storage period, no clinical cases, no serologically positive and no antigen positive cases of the following diseases have occurred at the semen collection center:

- i. Brucellosis
- ii. Aujeszky's disease (pseudorabies)
- iii. Porcine respiratory and reproductive syndrome (PRRS)
- iv. Transmissible gastroenteritis (TGE)
- v. Porcine epidemic diarrhea (PED)
- vi. Porcine deltacoronavirus (PDCoV)
- vii. Vesicular stomatitis virus (VSV)

**4. DONOR BOAR**

a. Has been a resident of the semen collection center for a minimum of three months

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**Certification Statements:**

prior to collection of semen for export and has not been used for natural mating during this time.

b. Is individually identified.

c. Has not been vaccinated against porcine respiratory and reproductive syndrome (PRRS), Aujeszky's disease (pseudorabies) and brucellosis.

**5. SEMEN FOR EXPORT**

a. Was held for 28 days after collection in a separate container, isolated from other semen with no direct or indirect contact with possible disease fomites, and until all required tests have been found satisfactory.

b. During the 28 day minimum storage period, the health status of the donor boars did not change in regard to diseases mentioned in this certificate, and no outbreaks of diseases transmissible via semen occurred at the semen collection center.

c. Was diluted with diluents containing antibiotics with proven efficacy against Leptospirosis species.

d. Each straw of semen presents the identification of the donor boar, the collection date and the approval number of the semen collection centre.

e. Has been hygienically packed in shipping containers that were either new or cleaned and disinfected prior to use, have fresh nitrogen not previously used for storage of animal products.

f. Is accompanied by a summary test table indicating all the tests performed on the donor boars and semen (as applicable) during the pre-entry quarantine and during residency (pre-collection, on collection and post collection) at the semen collection centre that has been endorsed by the USDA accredited veterinarian.

g. Is accompanied by a packing list confirmed and endorsed by the USDA accredited veterinarian (as per the identification table above).

h. Is sealed into shipping containers with a tamper-evident seal under supervision of the USDA accredited veterinarian.

**6. RESIDENT HERD OF SEMEN COLLECTION CENTER**

**a. PRE-ENTRY QUARANTINE**

i. All boars must enter the pre-entry quarantine facility with a valid certificate of health.

ii. The pre-entry quarantine facility must be approved by the USDA accredited veterinarian prior to the start of the quarantine and functions on an all-in, all-out basis.

iii. The pre-entry quarantine is a minimum of 30 days.

iv. On the day of entry into the pre-entry quarantine facility and at least 21 days after entry into the pre-entry quarantine facility, all boars must be tested negative on two occasions, with copy of test results included with this veterinary health certificate, in a laboratory approved by APHIS, for the following diseases:

(1) Porcine respiratory and reproductive syndrome (PRRS): using ELISA OR

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Immunoperoxidase monolayer assay OR indirect fluorescent antibody test.

(2) Aujeszky's disease (pseudorabies): using serum (virus) neutralization (SN) OR ELISA.

v. After a minimum of 28 days in quarantine, all boars must test negative, with copy of results to be included with this veterinary health certificate, in a laboratory approved by APHIS, for the following diseases:

(1) Brucella suis: using fluorescence polarization assay (FPA) OR ELISA OR complement fixation test.

(2) Transmissible gastroenteritis (TGE): using serum (virus) neutralization (SN) OR ELISA.

b. ENTRY INTO RESIDENT HERD

i. Only once all pre-entry quarantine tests have been found negative, and a minimum of 30 days have elapsed in quarantine, may clinically healthy boars be admitted to the resident herd of the semen collection center.

ii. All resident boars are part of the population surveillance program (herd health program) that monitors the herd for clinical signs of disease, including PED and PDCoV.

**7. RESIDENT TESTING**

a. Resident boars were subjected twice to the following tests, the first test at least 28 days and no longer than 40 days before collection of semen, and the second between 28 and 40 days after collection of semen, with negative results (copy of test results to be included with this veterinary health certificate), in a laboratory approved by APHIS, for the following:

i. Aujeszky's disease (pseudorabies): using either serum (virus) neutralization (SN) OR ELISA.

ii. Porcine respiratory and reproductive syndrome (PRRS): using ELISA OR Immunoperoxidase monolayer assay OR indirect fluorescent antibody test.

b. A sample (undiluted ejaculate) of semen from each exported batch (collection from one boar on the same date) was subjected to RT-PCR test with negative results, with copy of test results included with this veterinary health certificate, in a laboratory approved by APHIS, for the following diseases:

i. Aujeszky's disease (pseudorabies)

ii. Porcine Respiratory and Reproductive Syndrome (PRRS)

c. Donor boars were subjected to the following tests before and after semen collection in a laboratory approved by APHIS as described below, for the following diseases;

i. Swine influenza H1N1 and H3N2: HI test

ii. Porcine respiratory coronavirus (PRCV): Virus neutralisation test OR ELISA

**Pre-collection:**

Serum samples were collected in pairs and both samples were obtained no longer than 40

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days before collection of semen.

Post-collection:

Serum samples were collected in pairs and both samples were obtained no longer than 40 days after collection of semen.

Only serum samples collected at an interval of 14 to 21 days apart were regarded as paired. Each pair of serum samples were tested at the same laboratory on the same day, with either both test results being negative or, in the case of a boar that tests serologically positive, a stable (titre not more than two times the initial titre) or a declining titre must be demonstrated. For this purpose, serum samples must be titrated to an end point (the highest dilution giving a positive result). A copy of the test results is to be included with this veterinary health certificate.

d. For fresh/chilled semen: Fresh feces from donor boars is tested within 14 days prior to or 14 days post collection of semen intended for export, in a laboratory approved by APHIS with copy of results to be included with this veterinary health certificate, for the following:

- i. Porcine epidemic diarrhea (PED): virus using PCR
- ii. Porcine deltacoronavirus (PDCoV): using PCR

e. For frozen semen: A sample of semen (undiluted ejaculate) from each exported batch (collection from one boar on the same date) was subjected to a PCR test with negative results with copy of results to be included with this veterinary health certificate, in a laboratory approved by APHIS, for the following:

- i. Porcine epidemic diarrhea (PED) virus: using PCR
- ii. Porcine deltacoronavirus (PDCoV): using PCR

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**PRE-ENTRY QUARANTINE TEST TABLE**

**All test results below were negative.**

Official Identification of Donor	PRRS Day of Entry Test (method and date)	PRRS > 21 days Post-Entry Test (method and date)	Pseudorabies Day of Entry Test (method and date)	Pseudorabies > 21 days Post-Entry Test (method and date)	Brucella suis (test method and date)	Transmissible gastroenteritis (TGE) (test method and date)

**RESIDENT HERD TESTING**

Official Identification of Donor	Pseudorabies 28-40 Days Before Collection (method and date)	Pseudorabies 28-40 Days After Collection (method and date)	PRRS 28-40 Days Before Collection (method and date)	PRRS 28-40 Days After Collection (method and date)	Pseudorabies PCR Test on Semen (date)	PRRS PCR Test on Semen (date)

**RESIDENT HERD TESTING**

**Paired Serum Antibody Titer Tests**

Official Identification of Donor	Swine Influenza (HI test) Pre-Collection (titer level and test date)	Swine Influenza (HI test) Post-Collection (titer level and test date)	PRCV Pre-Collection (test method, titer level and test date)	PRCV Post-Collection (test method, titer level and test date)

**POST-COLLECTION TESTING**

**All test results below were negative.**

Official Identification of Donor	PED PCR Test Date	PDCoV PCR Test Date

**Name of Accredited Veterinarian**

**Name of USDA Veterinarian**

**Signature of Accredited Veterinarian**

**Signature of USDA Veterinarian**

**Date**

**Date**