OMB Approved 0579- 0020, 0036, 0048, 0101, 0156, 0278, and 0432

## 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					
ONTIED STATES DETARTMENT OF AGRICULTURE								
1. Consignor:		2. Consignee	:					
3. Country Of Origin:		4. State Of Or	igin:					
USA								
5. Country Of Destination: South Africa		6. Zone Of De	stination: *******************	*******				
7. Place Of Origin:		8. Port Of Em	barkation / Border Crossing:					
9. Estimated Date Of Shipment:		10. Means Of	Transport:					
11. ***********************************								
13. Description Of Commodity:		14. Date Of Inspection:						
Porcine Semen		14. Bute of hispection.						
15. Total Quantity:		16. Additiona	Information:					
17. Total Number Of Packages/Containers:								
17. Total Number Of Fackages/Softamers.								
18. Identification / Seal Numbers:								
19. Commodities Intended Use:		20. Type Of A	dmission:					
N/A		20. 1900 017						
21. Identification Of Commodities:		•						
(See next page)								
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# Veterinary Health Certificate for Export of Porcine Semen from the United States of America to South Africa

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Donor Date(s) Code St	
Official Identification of Donor Date(s) Straw Identification / Collection Straw Identification / Code St	
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Donor Date(s) Code St	
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### Veterinary Health Certificate for Export of

Porcine Semen from the United States of America to South Africa						
Veterinary Authority	Date Of Issue	Certificate Number				
UNITED STATES DEPARTMENT OF AGRICULTURE			New State of			

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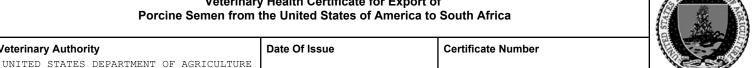
#### Additional Field(s):

SOUTH AFRICAN VETERINARY IMPORT PERMIT NUMBER:	
NAME OF SEMEN COLLECTION CENTER:	
ADDRESS OF SEMEN COLLECTION CENTER:	

#### Certification Statements:

- I, the undersigned USDA accredited veterinarian, authorized thereto by the USDA-APHIS-VS, certify the following requirements are met:
- 1. COUNTRY FREEDOM
- 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
- 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
- Is officially approved by APHIS and under the direct supervision of a USDA accredited veterinarian.
- 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
- Has been a resident of the semen collection center for a minimum of three months а.

### Veterinary Health Certificate for Export of



#### Additional Field(s):

**Veterinary Authority** 

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#### **Certification Statements:**

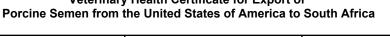
prior to collection of semen for export and has not been used for natural mating during this time.

- b. Is individually identified.
- Has not been vaccinated against porcine respiratory and reproductive syndrome (PRRS), Aujeszky's disease (pseudorabies) and brucellosis.

#### 5. SEMEN FOR EXPORT

- 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.
- 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.
- Was diluted with diluents containing antibiotics with proven efficacy against Leptospirosis species.
- Each straw of semen presents the identification of the donor boar, the collection date and the approval number of the semen collection centre.
- 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.
- 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.
- Is accompanied by a packing list confirmed and endorsed by the USDA accredited veterinarian (as per the identification table above).
- Is sealed into shipping containers with a tamper-evident seal under supervision of the USDA accredited veterinarian.
- 6. RESIDENT HERD OF SEMEN COLLECTION CENTER
- PRE-ENTRY QUARANTINE
- All boars must enter the pre-entry quarantine facility with a valid certificate of health.
- 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.
- The pre-entry quarantine is a minimum of 30 days. iii.
- 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.

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- Aujeszky's disease (pseudorabies): using serum (virus) neutralization (SN) OR ELISA.
- After a minimum of 28 days in quarantine, all boars must test negative, with v. copy of results to be included with this veterinary health certificate, in a laboratory approved by APHIS, for the following diseases:
- Brucella suis: using fluorescence polarization assay (FPA) OR ELISA OR complement fixation test.
- Transmissible gastroenteritis (TGE): using serum (virus) neutralization (SN) OR ELISA.
- ENTRY INTO RESIDENT HERD h.
- 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.
- 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

- 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:
- Aujezsky's disease (pseudorabies): using either serum (virus) neutralization (SN) OR ELISA.
- Porcine respiratory and reproductive syndrome (PRRS): using ELISA OR Immunoperoxidase monolayer assay OR indirect fluorescent antibody test.
- 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)
- Porcine Respiratory and Reproductive Syndrome (PRRS)
- 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;
- Swine influenza H1N1 and H3N2: H1 test i.
- 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

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



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UNITED STATES DEPARTMENT OF AGRICULTURE

Date Of Issue

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	Additional Field(s):				
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#### Certification Statements:

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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Veterinary Authority UNITED STATES DEPARTMENT OF AGRICULTURE				Date Of Issue			Certificate Number					
PRE-ENTRY O	UARANTINE TES	T TARI F										
	below were neg											
Official Identifica tion of Donor	PRRS Day of Entry Test (method and date)	Post-En	21 day ntry Tes hod and ate)	st Day of	Entry method	day	s Post	es > 21 -Entry nod and	Brucell suis (te method a date)	st ga	stroe	issible nteritis st method date)
RESIDENT HER	RD TESTING											
Official Identifica tion of Donor	Pseudorabies Days Befo Collection (m and date	re method	Pseudorabies 28-40 Days After Collection (method and date)		. c	PRRS 28-40 Da Before Collection (method and date)		After Collecton (method a				PRRS PCI Test on Semen (date)
RESIDENT HEF	RD TESTING Antibody Titer T	ests										
Official Identificat ion of Donor	Swine Influe Pre-Collec level and	tion (ti	ter	Swine Influe Post-Colle level and	ction (	titer	(te	V Pre-Colest methodel and tes	, titer	(test	metho	ollection d, titer est date)
	TION TESTING below were neg	ative.										
	ficial Identi		of Dono	or		PED PCR	Test	Date	P	DCoV PCR	Test 1	Date
Name of Accre	dited Veterinarian	l			N	ame of US	SDA Ve	terinarian				
Signature of A	ccredited Veterina	ırian			s	ignature o	of USDA	A Veterinaria	ın			

Date

Date