



Zuid-Korea, rundersperma

Code: **RNDSU-55** Versie: 1.0.5

Ingangsdatum: 01-04-2024

Eigenaar: NVWA O&O, team Export

Versie	Datum	Wijziging ten opzichte van vorige versie
1.0.3	13-07-2020	In de instructies is opgenomen dat wanneer er interesse is om rundersperma naar Zuid-Korea te exporteren, dit tijdig aan te geven ten behoeve van het opnemen van het certificaat in e-CertNL.
1.0.4	12-12-2023	Het certificaat is beschikbaar in e-CertNL.
1.0.5	01-04-2024	Aanpassing ten gevolge van wijzigingen in de Regeling erkenning veterinaire laboratoria (REVL).

1 DOEL EN TOEPASSINGSGEBIED

Deze instructie geldt voor het exporteren van rundersperma naar Zuid-Korea. De instructie beschrijft de voorwaarden die gelden voor de invoer in Zuid-Korea, de controles die de NVWA hiervoor moet uitvoeren, en de gegevens die het bedrijfsleven moet aanleveren aan de NVWA.

Over de certificeringseisen die gelden voor de export van rundersperma naar Zuid-Korea zijn officiële bilaterale afspraken gemaakt. Deze afspraken zijn bindend, van deze afspraken kan dus niet worden afgeweken.

2 WETTELIJKE BASIS

2.1 EU-regelgeving

- Verordening (EU) 2016/429
- Gedelegeerde verordening (EU) 2020/686
- Uitvoeringsverordening (EU) 2020/999

2.2 Nationale wetgeving

- Wet dieren

2.3 Overige

- Bilaterale afspraken tussen Zuid-Korea en Nederland.

3 DEFINITIES

Begrip	Definitie
rund	Een dier dat behoort tot de hoefdiersoorten in de geslachten Bison, Bos (met inbegrip van de ondergeslachten Bos, Bibos, Novi bos en Poephagus) en Bubalus (met inbegrip van het ondergeslacht Anoa) alsook kruisingen van die soorten.
sperma	Het onbewerkte, bewerkte of verdunde ejaculaat van één of meer dieren.
spermawinningscentrum	Een inrichting voor levende producten die door de bevoegde autoriteit is erkend voor de winning, de verwerking, de opslag en het vervoer van sperma van runderen, varkens, schapen, geiten of paardachtigen.

Begrip	Definitie
dierenarts van het centrum	De dierenarts die verantwoordelijk is voor de activiteiten in het spermawinningscentrum, de verwerkingsinrichting voor levende producten of het opslagcentrum voor levende producten.

4 WERKWIJZE

De export van rundersperma naar Zuid-Korea is toegestaan.

Toelichting bij het certificaat:

4.1 Algemeen:

- Raadpleeg vooraf de instructie Tijdelijke Maatregelen Derde Landen (TMDL-01) op mogelijke exportbeperkingen. Als in de TMDL-01 informatie staat die in strijd is met een landeninstructie dan is de informatie vermeld in de TMDL-01 leidend.
- Het certificaat is beschikbaar in e-CertNL.
- Uitsluitend rundersperma dat is gewonnen in een erkend spermawinningscentrum dat specifiek voor deze doeleinden is erkend door de autoriteiten van Zuid-Korea, kan voor certificering in aanmerking komen. De lijst van erkende spermawinningscentra die door Zuid-Korea zijn toegelaten, is opgenomen in het bedrijvenregistratiesysteem van de NVWA.
- Schmallenberg:
Inzake het Schmallenbergvirus dient een aanvullende verklaring te worden afgegeven. De tekst van bijlage 2 dient te worden geprint op NVWA-waardepapier en bij het certificaat te worden gevoegd.
De niet van toepassing zijnde verklaringen dienen te worden doorgehaald.
- Diagnostische laboratoriumtesten dienen te worden uitgevoerd door een laboratorium welk conform het [werkvoorschrift K-O&O-IE-WV05](#) is toegestaan.

Verklaring 1:

The semen in this consignment was collected before 1 June 2011;

Deze verklaring kan worden afgegeven na controle van de datum van winning.

Or*

Verklaring 2:

The semen in this consignment was collected on or after 1 June 2011 from donors that were negative to two antibody tests (VNT) for SBV, with the first performed within 30 days prior to semen collection and the second between 28 and 60 days after semen collection (see table);

Name of donor bull	ID of donor bull	Collection date	Test method	Date of pre-test	Result of pre-test	Date of post-test	Result of post-test
			VNT				

Name and address of testing laboratory:

Deze verklaring kan worden afgegeven na controle van de laboratoriumuitslagen.

In de tabel dienen de gevraagde gegevens te worden ingevuld en daaronder de naam en het adres van het laboratorium dat de testen heeft verricht.

Certificaat: zie bijlage

I, the undersigned, official veterinarian, certify that:

GENERAL REQUIREMENTS

Verklaring 1:

In the Netherlands there was no outbreak of the following diseases for the period below, not only just before collection but also just before shipping of the semen in this consignment. Vaccination against the diseases mentioned below is not taking place in the Netherlands:

- Foot and Mouth disease for the past one year;
- Rinderpest and Vesicular stomatitis for the past two years;
- Peste des petits ruminants, Bovine contagious pleuropneumonia and Lumpy skin disease for the past three years;
- Rift Valley fever for the past four years;

Deze verklaring kan worden afgegeven na controle van de dierziektesituatie in Nederland. Mond-en-klauwzeer, runderpest, peste des petits ruminants, besmettelijke runderperipneumonie en nodulaire-dermatose zijn aangifteplichtige dierziekten in Nederland. Informatie over de dierziektesituatie in Nederland is [hier](#) te vinden.

Voor wat betreft vesiculaire stomatitis kan deze verklaring worden afgegeven op basis van het feit dat Nederland als 'historisch vrij' van vesiculaire stomatitis kan worden beschouwd. Mocht vesiculaire stomatitis in de toekomst toch worden gediagnosticeerd in Nederland, zal dit middels de basismonitoring worden gerapporteerd.

REQUIREMENTS FOR THE ARTIFICIAL INSEMINATION CENTRES

Verklaring 2:

The Dutch government has selected the artificial insemination centre which satisfies the following conditions for exporting bovine semen to Korea:

The artificial insemination centre is located in a province where there was no outbreak of Bluetongue for the past two years before the aforementioned selection by the Netherlands government for the artificial insemination centre for exporting bovine semen to Korea;

Or The donor animals (that means animals associated with semen production including teaser animal, hereinafter "donor animals") at the artificial insemination centre:*

Were subjected to a serological test to detect antibodies to the Bluetongue group, with negative results, at least every 60 days throughout the collection period and between 21 and 60 days after the final collection of the semen for this consignment (see annex);

Or Were subjected to a PCR test on blood samples collected at commencement and conclusion of, and at least every 28 days during, semen collection for this consignment, with negative results (see annex);*

Disease	Test method(s)	Result of examinations or inspections
Bluetongue	ELISA test or PCR test	Negative

De niet van toepassing zijnde (sub)optie dient te worden doorgehaald.

Gecontroleerd dient te worden of de provincie van het spermawinningscentrum waar het te exporteren rundersperma vandaan komt de laatste twee jaar vrij is geweest van blauwtong. De eerste optie van deze verklaring kan worden afgegeven na controle van de dierziektesituatie in Nederland. Blauwtong is een aangifteplichtige dierziekte in Nederland. Informatie over de dierziektesituatie in Nederland is [hier](#) te vinden.

De eerste suboptie van de tweede optie van deze verklaring kan worden afgegeven indien de donorstieren (inclusief teasers) iedere zestig dagen, en tussen 21 en 60 dagen na de laatste spermawinning, met negatief resultaat serologisch zijn getest.

De tweede suboptie van de tweede optie van deze verklaring kan worden afgegeven op basis van negatieve laboratoriumuitslagen van de donorstieren (inclusief teasers), aan te leveren door belanghebbende.

Verklaring 3:

The artificial insemination centre undergoes sanitary inspections by the Netherlands government veterinary authority at least twice a year;

Deze verklaring kan worden afgegeven op basis van EU- en nationale regelgeving.

Verklaring 4:

At the artificial insemination centre there was no clinical evidence of contagious diseases which are susceptible to bovine, including Neosporosis, from 12 months before the first collection of the semen in this consignment till 30 days after the final collection of the semen in this consignment;

The donor animals at the artificial insemination centre were protected from attack from Culicoides species likely to be competent Bluetongue and SBV vectors by disinfecting all buildings, animals and extensions regularly in the artificial insemination centre;

Het eerste deel van deze verklaring kan worden afgegeven op basis van een verklaring met gelijke strekking van de aan het spermawinningscentrum verbonden dierenarts.

Het tweede deel van deze verklaring kan worden afgegeven op basis van de te nemen knuttenbeschermende maatregelen. De knuttenbeschermende maatregelen zijn als volgt:

- In de stallen van het spermawinningscentrum, inclusief de quarantainestal, dienen alle eventuele openingen te zijn afgedekt met fijnmazig gaas; de diameter van het gaas is maximaal drie millimeter;
- Stalwanden en aanwezige dieren dienen bij binnenkomst te worden behandeld met een officieel geregistreerde insecticide. Beide behandelingen dienen herhaaldelijk te worden toegepast conform de voorschriften van de bijsluiters;
- Alle behandelingen dienen te worden vastgelegd in het registratiesysteem van het betreffende spermawinningscentrum of in een logboek behorend bij het spermawinningscentrum met vermelding van het gebruikte middel en een kopie van de aankoopnota van de gebruikte middelen.

REQUIREMENTS FOR THE DONOR BULL

Verklaring 5:

The donor animals have not been born and raised at a province where there was an outbreak of Bluetongue for two years prior to entry into isolation at the quarantine facility mentioned in item 10;

In case Bluetongue tests were carried out at the artificial insemination centre in accordance with article 2 during the period in which the Netherlands was not officially free of Bluetongue, the foregoing Bluetongue requirement in this article is not applicable;

And The donor animals have not been born or raised at a specialized breeding farm where there was outbreak of Haemorrhagic septicaemia for 6 months prior to entry into isolation at the quarantine facility mentioned in item 10;

Gecontroleerd dient te worden of de provincie, waar de donorstier heeft verbleven twee jaar voordat het dier in quarantaine bij het spermawinningscentrum werd opgenomen, vrij is geweest van blauwtong. Het eerste deel van deze verklaring kan worden afgegeven na controle van de dierziektesituatie in Nederland. Blauwtong is een aangifteplichtige dierziekte in Nederland. Informatie over de dierziektesituatie in Nederland is [hier](#) te vinden.

Deze eis is niet van toepassing indien de donorstieren regelmatig op blauwtong zijn getest, zoals gesteld in de tweede optie van verklaring 2.

Het laatste deel van deze verklaring kan worden afgegeven na controle van de dierziektesituatie in Nederland. Epizoötische hemorragische ziekte is een aangifteplichtige dierziekte in Nederland. Informatie over de dierziektesituatie in Nederland is [hier](#) te vinden.

Verklaring 6:

The donor animals originate (born and/or raised) from specialised breeding farms where there has been no outbreak of the following diseases for the past three years and where vaccinations against brucellosis have not been conducted:

- Tuberculosis;
- Enzootic bovine leukosis;
- Brucellosis;

Deze verklaring kan worden afgegeven na controle van de dierziektesituatie in Nederland.

Tuberculose, enzoötische boviene leukose en brucellose zijn aangifteplichtige dierziekten in Nederland. Informatie over de dierziektesituatie in Nederland is [hier](#) te vinden. Vaccinatie tegen brucellose is niet toegestaan.

Ten aanzien van tuberculose, enzoötische boviene leukose en brucellose geldt dat Nederland officieel vrij is van deze dierziekten volgens WOA-normen. Dat wil echter niet zeggen dat ook automatisch alle bedrijven in Nederland vrij zijn. Er mag een bepaald aantal gevallen per jaar voorkomen zonder dat de vrij-status van het land verloren gaat. Gecontroleerd dient te worden of het bedrijf waarvan de donorstieren afkomstig zijn, de laatste drie jaren niet heeft voorgekomen op de lijst geblokkeerde bedrijven.

Verklaring 7:

The donor animals stayed at the semen collection facility continuously from the isolation for semen collection until final semen collection, and have never been used for natural mating;

Deze verklaring kan worden afgegeven indien de dieren in een periode van 28 dagen voordat ze in het spermawinningscentrum worden toegelaten in quarantaine zijn gehouden. Een spermawinningscentrum is wettelijk verplicht dit voor iedere donorstier te doen op basis van Gedelegeerde verordening (EU) 2020/686. Derhalve kan deze verklaring worden afgegeven op basis van EU- en nationale regelgeving.

Verklaring 8:

The donor animals are traceable to the mother and the herd of origin by a permanent Identification and Registration system (I&R). The donor animals are offspring of neither suspected nor confirmed BSE infected cows;

Het eerste deel van deze verklaring kan worden afgegeven op basis van EU- en nationale regelgeving. Het tweede deel ("The donor animals ...") kan worden afgegeven na controle van de lijst van BSE-besmette bedrijven, zoals opgenomen in de instructie RNDA-006.

Verklaring 9:

Only donor animals that satisfy the following conditions can enter the quarantine facility mentioned in item 10 in accordance with the regulation of the Netherlands government veterinary authority. The donor animals were subjected to the following examinations prior to entry into the quarantine facility mentioned in item 10 (see annex):

Disease	Test date(s)	Method(s)	Result of examinations or inspections
BVD-MD ⁽¹⁾		Virus isolation test or virus antigen ELISA test	Negative
BVD-MD ⁽¹⁾		ELISA antibody test	Positive or negative
IBR/IPV ⁽¹⁾		Serum neutralisation test or Elisa test by blood sample	Negative
Enzootic bovine leukosis ⁽¹⁾		Agar gel immunodiffusion test or ELISA test	Negative
Bovine tuberculosis ⁽²⁾		Intradermal tuberculin test	Negative

Deze verklaring kan worden afgegeven op basis van negatieve laboratoriumuitslagen van de donorstieren, aan te leveren door belanghebbende. Het gaat hier om het testen van de donorstieren voordat zij worden opgenomen in quarantaine.

Voor positieve uitslag BVD/MD: zie verklaring 10 deel II.

Verklaring 10:

The donor animals have been quarantined in a facility which is officially approved by the Government of the Netherlands in accordance with Directive 2003/43/EC. The aforementioned quarantine period is at least 28 days before entering the AI centre; during the aforementioned quarantine period, the donor animals were subjected to the following examinations supervised by the Netherlands government veterinary authority (see annex):

I

<i>Disease</i>	<i>Test date(s)</i>	<i>Method(s)</i>	<i>Result of examinations or inspections</i>
<i>Bovine brucellosis⁽¹⁾</i>		<i>Buffered brucella antigen test or; complement fixation test (less than 20 ICFU/ml)</i>	<i>Negative</i>
<i>BVD/MD⁽¹⁾</i>		<i>Virus isolation test or virus antigen ELISA test</i>	<i>Negative</i>
<i>BVD/MD⁽¹⁾</i>		<i>ELISA antibody test</i>	<i>Positive or negative (There shall be no sero-conversion on the antibody tests conducted at least 21 days after staying at the isolated quarantine facility and it shall be proved that there has been no virus contagiousness to breeding stocks)</i>
<i>Bovine genital campylo-Bacteriosis⁽¹⁾</i>		<i>Culture test or immunofluorescence antibody test of preputial cavity or vaginal cavity washing samples</i>	<i>Negative</i>
<i>IBR/IPV⁽¹⁾</i>		<i>Serum neutralisation test or ELISA test</i>	<i>Negative</i>

II *The donor animals which showed negative reaction as a result of the serological test before entering the quarantine facility showed negative reaction to the serological test in the quarantine facility. In case sero-conversion occurs for BVD/MD, in regard to the serological antibody tests mentioned above, all donor animals kept in the quarantine facility are tested individually and kept in quarantine isolation over a prolonged time, until there is no more sero-conversion in the group for a period of three weeks.*

Only bulls that are virus-negative can enter the artificial insemination centre;

Deel I van deze verklaring kan worden afgegeven op basis van negatieve laboratoriumuitslagen van de donorstieren, aan te leveren door belanghebbende. Het gaat hier om het testen van de donorstieren tijdens de quarantaine. Bij een positieve uitslag op BVD mag er geen seroconversie zijn opgetreden tussen de 1^e en de 2^e monsternamen. Het 2^e monster dient 21 dagen of later na aanvang van de quarantaine te worden genomen.

Deel II van deze verklaring kan worden afgegeven na controle.

Verklaring 11:

The donor animals have been inspected and found clinically healthy on the day of entering the artificial insemination centre;

Deze verklaring kan worden afgegeven na controle door de aan het spermawinningscentrum verbonden dierenarts.

Verklaring 12:

The donor animals in the AI centre are subjected to the following examinations at least annually (see annex);

I

<i>Disease</i>	<i>Test date(s)</i>	<i>Method(s)</i>	<i>Result of examinations or inspections</i>
<i>Bovine brucellosis⁽¹⁾</i>		<i>Buffered brucella antigen test or; complement fixation test (less than 20 ICFU/ml)</i>	<i>Negative</i>
<i>Trichomonosis⁽¹⁾</i>		<i>Culture test or immunofluorescence antibody test of preputial cavity or vaginal cavity washing samples</i>	<i>Negative</i>
<i>Bovine genital campylobacteriosis⁽¹⁾</i>		<i>Culture test or immunofluorescence antibody test of preputial cavity or vaginal cavity washing samples</i>	<i>Negative</i>
<i>IBR/IPV⁽¹⁾</i>		<i>Serum neutralisation test or ELISA test</i>	<i>Negative</i>
<i>BVD/MD⁽¹⁾</i> <i>- In case of donor animals which showed negative reaction the serological test before entering the AI centre</i>		<i>ELISA antibody test</i>	<i>Negative</i>
<i>Enzootic bovine leukosis⁽¹⁾</i>		<i>Agar gel immunodiffusion test or ELISA test</i>	<i>Negative</i>
<i>Bovine tuberculosis⁽²⁾</i>		<i>Intradermal tuberculin test</i>	<i>Negative</i>
<i>Paratuberculosis (Johne's disease)⁽¹⁾⁽³⁾</i>		<i>ELISA or complement fixation test</i>	<i>Negative</i>
<i>Bovine Leptospirosis (L. hardjo, pomona, icterohaemorrhagiae)⁽¹⁾⁽³⁾</i>		<i>ELISA test or; agglutination-lysis test (less than 50 % at 1 : 100)</i>	<i>Negative</i>

II

For BVD/MD antibody positive donor animals, below test of the first ejaculate of those animals collected in the AI centre, were conducted (see annex);

<i>Disease</i>	<i>Test date</i>	<i>Method(s)</i>	<i>Result of examinations or inspections</i>
<i>BVD-MD⁽¹⁾</i>		<i>Virus isolation test or virus antigen ELISA test of the first ejaculate of BVD/MD antibody positive animal collected in the AI centre.</i>	<i>Negative</i>

III

Donor bulls returning to collection after a layoff of more than six months were tested as below not more than 30 days prior to resuming production (see annex);

<i>Disease</i>	<i>Test date</i>	<i>Method(s)</i>	<i>Result of examinations or inspections</i>
<i>Trichomonosis⁽¹⁾</i>		<i>Culture test or immunofluorescence antibody test</i>	<i>Negative</i>

		<i>of preputial cavity or vaginal cavity washing samples</i>	
<i>Bovine genital campylobacteriosis⁽¹⁾</i>		<i>Culture test or immunofluorescence antibody test of preputial cavity or vaginal cavity washing samples</i>	<i>Negative</i>

Deze verklaring kan worden afgegeven op basis van negatieve laboratoriumuitslagen van de donorstieren, aan te leveren door belanghebbende. Het gaat hier om het jaarlijks testen van de donorstieren die in het spermawinningscentrum verblijven (deel I).

Deel II betreft donorstieren die seropositief ten aanzien van BVD/MD waren, deel III betreft donorstieren die na een interval van meer dan zes maanden weer in het spermawinningscentrum worden ingezet.

Verklaring 13:

On the day of semen collection for this consignment there was no evidence of any contagious disease by clinical examination by a veterinarian in charge of all the animals (including the donor animals) in the artificial insemination centre;

Deze verklaring kan worden afgegeven na controle door de aan het spermawinningscentrum verbonden dierenarts ter plekke.

REQUIREMENTS FOR THE SEMEN

Verklaring 14:

In accordance with the guidelines of the OIE code (latest edition), the collection and processing of the semen is conducted in a way to prevent contamination and transmission of contagious animal diseases pathogens. All tools and equipment, excluding disposable tools, are disinfected or sterilised before being used;

Deze verklaring kan worden afgegeven voor een erkend spermawinningscentrum.

Verklaring 15:

During the period of collection of semen collected for this consignment in the artificial insemination centre, no semen from other semen collection facility was dealt with in the aforementioned artificial insemination centre;

Deze verklaring kan worden afgegeven voor een erkend spermawinningscentrum.

Verklaring 16:

The dilution agents/dilutors, additives or extenders, etc. used for the processing of the semen do not contain any materials derived from animals, but the aforementioned materials excludes only ultra high temperature treated milk or egg yolk separated from eggs by using aseptic techniques, which have no risk of transmission of contagious animal diseases pathogens. However, it can be exempted in case the seminal plasma or the components added for sex sorting of semen are derived from animals of an equivalent or better health status;

Components of antibiotics, additives, dilution agents/dilutors or extenders: (see annex);

Deze verklaring kan worden afgegeven na controle voor een erkend spermawinningscentrum op basis van EU- en nationale regelgeving. De toevoegingen die eventueel aan het rundersperma zijn gedaan dienen te worden ingevuld.

Verklaring 17:

The semen is stored in ampoules or straws with ID number and breed of the donor bulls, date of semen collection and the registration number of the artificial insemination centre(s) / or in ampoules or straws to which a bar code in accordance with a specific scheme approved by the government veterinary authorities of the Netherlands is attached (in case the bar code system is applied an explanatory note for decoding is attached);*

Deze verklaring kan worden afgegeven na controle voor een erkend spermawinningscentrum op basis van EU- en nationale regelgeving. Het niet van toepassing zijnde deel van deze verklaring dient te worden doorgehaald. Het gaat er om of de gegevens op het rietje zijn vermeld of dat een barcode is aangebracht. In dat geval dient een uitleg van de barcode te worden bijgevoegd.

Verklaring 18:

The semen is packed by cleaned, disinfected or sterilised liquid nitrogen instruments, and is sealed by a sealing paper designed by the veterinary authorities of the Netherlands and shall not be opened until its arrival in Korea; the refrigerant used for the packing instruments has never been used for any animal materials beforehand;

Het eerste deel van deze verklaring kan worden afgegeven na controle voor een erkend spermawinningscentrum op basis van EU- en nationale regelgeving.

Het tweede deel van deze verklaring ("*... and is sealed ...*") kan worden afgegeven indien de verzegeling is verricht door de aan het spermawinningscentrum verbonden dierenarts.

Het derde deel van deze verklaring ("*... and shall not be opened ...*") kan worden afgegeven indien op het vat vermeld staat: 'Pas openen na aankomst in Zuid-Korea'.

Het vierde deel van deze verklaring ("*... the refrigerant ...*") kan worden afgegeven op basis van een verklaring van de aan het spermawinningscentrum verbonden dierenarts.

Verklaring 19:

The semen is kept at storage facilities before export to Korea and the semen collected from the donor bulls, which showed a positive reaction on the serological test of BVD/MD, has shown negative reactions on the virus isolation test or the ELISA test for virus antigen of BVD/MD before firstly exporting the semen;

Het eerste deel van deze verklaring kan worden afgegeven op basis van EU- en nationale regelgeving.

Het tweede deel van deze verklaring kan worden afgegeven na controle van de laboratoriumuitslagen.

5 BEVOEGDHEDEN EN VERANTWOORDELIJKHEDEN

De certificerende NVWA-dierenarts is bevoegd en verantwoordelijk voor het afgeven van het certificaat.

Bijlage 1: certificaat

VETERINARY CERTIFICATE FOR EXPORT OF CATTLE SEMEN FROM THE NETHERLANDS INTO KOREA

I. IDENTIFICATION OF THE SEMEN

Product no.	Registered name of donor bull	Registered identification number of donor bull	Date of birth	Breed	Date of entry into the semen collection facility

Batch no.	Date of collection	Number of doses	Identification of straws

Seal number :

II. ORIGIN OF THE SEMEN

Product no.	Approval no. of the artificial insemination centre	Name and address of the artificial insemination centre

Name and address of exporter :

Date of loading :

Place of loading :

III. DESTINATION OF THE SEMEN

Means of conveyance :

Identification of the means of conveyance :

Place of destination :

Name and address consignee :

IV. HEALTH ATTESTATION

I, the undersigned, official veterinarian, certify that:

GENERAL REQUIREMENTS

- In the Netherlands there was no outbreak of the following diseases for the period below, not only just before collection but also just before shipping of the semen in this consignment. Vaccination against the diseases mentioned below is not taking place in the Netherlands:
 - Foot and Mouth disease for the past one year;
 - Rinderpest and Vesicular stomatitis for the past two years;
 - Peste des petits ruminants, Bovine contagious pleuropneumonia and Lumpy skin disease for the past three years;
 - Rift Valley fever for the past four years;

REQUIREMENTS FOR THE ARTIFICIAL INSEMINATION CENTRES

- The Dutch government has selected the artificial insemination centre which satisfies the following conditions for exporting bovine semen to Korea:

The artificial insemination centre is located in a province where there was no outbreak of Bluetongue for the past two years before the aforementioned selection by the Netherlands government for the artificial insemination centre for exporting bovine semen to Korea;

Or* The donor animals (that means animals associated with semen production including teaser animal, hereinafter "donor animals") at the artificial insemination centre:

- Were subjected to a serological test to detect antibodies to the Bluetongue group, with negative results, at least every 60 days throughout the collection period and between 21 and 60 days after the final collection of the semen for this consignment (see annex);
- Or* Were subjected to a PCR test on blood samples collected at commencement and conclusion of, and at least every 28 days during, semen collection for this consignment, with negative results (see annex);

Disease	Test method(s)	Result of examinations or inspections
Bluetongue	ELISA test or PCR test	Negative

3. The artificial insemination centre undergoes sanitary inspections by the Netherlands government veterinary authority at least twice a year;
4. At the artificial insemination centre there was no clinical evidence of contagious diseases which are susceptible to bovine, including Neosporosis, from 12 months before the first collection of the semen in this consignment till 30 days after the final collection of the semen in this consignment;
The donor animals at the artificial insemination centre were protected from attack from Culicoides species likely to be competent Bluetongue and SBV vectors by disinfecting all buildings, animals and extensions regularly in the artificial insemination centre;

REQUIREMENTS FOR THE DONOR BULL

5. The donor animals have not been born and raised at a province where there was an outbreak of Bluetongue for two years prior to entry into isolation at the quarantine facility mentioned in item 10;
In case Bluetongue tests were carried out at the artificial insemination centre in accordance with article 2 during the period in which the Netherlands was not officially free of Bluetongue, the foregoing Bluetongue requirement in this article is not applicable;
- And The donor animals have not been born or raised at a specialized breeding farm where there was outbreak of Haemorrhagic septicaemia for 6 months prior to entry into isolation at the quarantine facility mentioned in item 10;
6. The donor animals originate (born and/or raised) from specialised breeding farms where there has been no outbreak of the following diseases for the past three years and where vaccinations against brucellosis have not been conducted:
 - Tuberculosis;
 - Enzootic bovine leukosis;
 - Brucellosis;
7. The donor animals stayed at the semen collection facility continuously from the isolation for semen collection until final semen collection, and have never been used for natural mating;
8. The donor animals are traceable to the mother and the herd of origin by a permanent Identification and Registration system (I&R). The donor animals are offspring of neither suspected nor confirmed BSE infected cows;
9. Only donor animals that satisfy the following conditions can enter the quarantine facility mentioned in item 10 in accordance with the regulation of the Netherlands government veterinary authority. The donor animals were subjected to the following examinations prior to entry into the quarantine facility mentioned in item 10 (see annex):

Disease	Test date(s)	Method(s)	Result of examinations or inspections
BVD-MD ⁽¹⁾		Virus isolation test or virus antigen ELISA test	Negative
BVD-MD ⁽¹⁾		ELISA antibody test	Positive or negative
IBR/IPV ⁽¹⁾		Serum neutralisation test or Elisa test by blood sample	Negative
Enzootic bovine leukosis ⁽¹⁾		Agar gel immunodiffusion test or ELISA test	Negative

Bovine tuberculosis ⁽²⁾		Intradermal tuberculin test	Negative
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10. The donor animals have been quarantined in a facility which is officially approved by the Government of the Netherlands in accordance with Directive 2003/43/EC. The aforementioned quarantine period is at least 28 days before entering the AI centre; during the aforementioned quarantine period, the donor animals were subjected to the following examinations supervised by the Netherlands government veterinary authority (see annex):

I	Disease	Test date(s)	Method(s)	Result of examinations or inspections
	Bovine brucellosis ⁽¹⁾		Buffered brucella antigen test or; complement fixation test (less than 20 ICFU/ml)	Negative
	BVD/MD ⁽¹⁾		Virus isolation test or virus antigen ELISA test	Negative
	BVD/MD ⁽¹⁾		ELISA antibody test	Positive or negative (There shall be no sero-conversion on the antibody tests conducted at least 21 days after staying at the isolated quarantine facility and it shall be proved that there has been no virus contagiousness to breeding stocks)
	Bovine genital campylobacteriosis ⁽¹⁾		Culture test or immunofluorescence antibody test of preputial cavity or vaginal cavity washing samples	Negative
	IBR/IPV ⁽¹⁾		Serum neutralisation test or ELISA test	Negative

- II The donor animals which showed negative reaction as a result of the serological test before entering the quarantine facility showed negative reaction to the serological test in the quarantine facility. In case sero-conversion occurs for BVD/MD, in regard to the serological antibody tests mentioned above, all donor animals kept in the quarantine facility are tested individually and kept in quarantine isolation over a prolonged time, until there is no more sero-conversion in the group for a period of three weeks.

Only bulls that are virus-negative can enter the artificial insemination centre;

11. The donor animals have been inspected and found clinically healthy on the day of entering the artificial insemination centre;
12. The donor animals in the AI centre are subjected to the following examinations at least annually (see annex);

I	Disease	Test date(s)	Method(s)	Result of examinations or inspections
	Bovine brucellosis ⁽¹⁾		Buffered brucella antigen test or; complement fixation test (less than 20 ICFU/ml)	Negative
	Trichomonosis ⁽¹⁾		Culture test or immunofluorescence antibody test of preputial cavity or vaginal cavity washing samples	Negative
	Bovine genital campylobacteriosis ⁽¹⁾		Culture test or immunofluorescence antibody test	Negative

		of preputial cavity or vaginal cavity washing samples	
IBR/IPV ⁽¹⁾		Serum neutralisation test or ELISA test	Negative
BVD/MD ⁽¹⁾ - In case of donor animals which showed negative reaction the serological test before entering the AI centre		ELISA antibody test	Negative
Enzootic bovine leukosis ⁽¹⁾		Agar gel immunodiffusion test or ELISA test	Negative
Bovine tuberculosis ⁽²⁾		Intradermal tuberculin test	Negative
Paratuberculosis (Johne's disease) ⁽¹⁾⁽³⁾		ELISA or complement fixation test	Negative
Bovine Leptospirosis (L. hardjo, pomona, icterohaemorrhagiae) ⁽¹⁾⁽³⁾		ELISA test or; agglutination-lysis test (less than 50 % at 1 : 100)	Negative

- II For BVD/MD antibody positive donor animals, below test of the first ejaculate of those animals collected in the AI centre, were conducted (see annex);

Disease	Test date	Method(s)	Result of examinations or inspections
BVD-MD ⁽¹⁾		Virus isolation test or virus antigen ELISA test of the first ejaculate of BVD/MD antibody positive animal collected in the AI centre.	Negative

- III Donor bulls returning to collection after a layoff of more than six months were tested as below not more than 30 days prior to resuming production (see annex);

Disease	Test date	Method(s)	Result of examinations or inspections
Trichomonosis ⁽¹⁾		Culture test or immunofluorescence antibody test of preputial cavity or vaginal cavity washing samples	Negative
Bovine genital campylobacteriosis ⁽¹⁾		Culture test or immunofluorescence antibody test of preputial cavity or vaginal cavity washing samples	Negative

13. On the day of semen collection for this consignment there was no evidence of any contagious disease by clinical examination by a veterinarian in charge of all the animals (including the donor animals) in the artificial insemination centre;

REQUIREMENTS FOR THE SEMEN

14. In accordance with the guidelines of the OIE code (latest edition), the collection and processing of the semen is conducted in a way to prevent contamination and transmission of contagious animal diseases pathogens. All tools and equipment, excluding disposable tools, are disinfected or sterilised before being used;
15. During the period of collection of semen collected for this consignment in the artificial insemination centre, no semen from other semen collection facility was dealt with in the aforementioned artificial insemination centre;

16. The dilution agents/dilutors, additives or extenders, etc. used for the processing of the semen do not contain any materials derived from animals, but the aforementioned materials excludes only ultra high temperature treated milk or egg yolk separated from eggs by using aseptic techniques, which have no risk of transmission of contagious animal diseases pathogens. However, it can be exempted in case the seminal plasma or the components added for sex sorting of semen are derived from animals of an equivalent or better health status;
Components of antibiotics, additives, dilution agents/dilutors or extenders: (see annex);
17. The semen is stored in ampoules or straws with ID number and breed of the donor bulls, date of semen collection and the registration number of the artificial insemination centre(s) / or in ampoules or straws to which a bar code in accordance with a specific scheme approved by the government veterinary authorities of the Netherlands is attached (in case the bar code system is applied an explanatory note for decoding is attached)*;
18. The semen is packed by cleaned, disinfected or sterilised liquid nitrogen instruments, and is sealed by a sealing paper designed by the veterinary authorities of the Netherlands and shall not be opened until its arrival in Korea; the refrigerant used for the packing instruments has never been used for any animal materials beforehand;
19. The semen is kept at storage facilities before export to Korea and the semen collected from the donor bulls, which showed a positive reaction on the serological test of BVD/MD, has shown negative reactions on the virus isolation test or the ELISA test for virus antigen of BVD/MD before firstly exporting the semen.

* Delete as appropriate.

Notes:

- (1) Specify the name of laboratory of inspection or examination.
- (2) Specify the name of the veterinary company of inspection or examination.
- (3) Only for donor bulls that produced semen for South Korea.

Bijlage 2: Schmallebergverklaring

Annex I

ADDITIONAL DECLARATION FOR BOVINE SEMEN IN REGARD TO SCHMALLEBERG DISEASE (SBV)
TO THE REGULAR EXPORT CERTIFICATE FOR BOVINE SEMEN

REQUIREMENTS FOR QUARANTINE FACILITIES/ ARTIFICIAL INSEMINATION (AI) CENTERS

REQUIREMENTS FOR SBV TESTS

- 1. The semen in this consignment was collected before 1 June 2011;
- Or* 2. The semen in this consignment was collected on or after 1 June 2011 from donors that were negative to two antibody tests (VNT) for SBV, with the first performed within 30 days prior to semen collection and the second between 28 and 60 days after semen collection (see table).

* Delete as appropriate

Name of donor bull	ID of donor bull	Collection date	Test method	Date of pre-test	Result of pre-test	Date of post-test	Result of post-test
			VNT				

Name and address of testing laboratory: