



MSD
Animal Health

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Manufacturer's Batch Protocol

Product: Bovilis IBR Marker Inac vakcina A.U.V. Batch:A026A01

MEMBER STATE SPECIFIC INFORMATION

Member state: **HUNGARY**

Antigen containing component:

Trade name:	Bovilis IBR Marker Inac vakcina A.U.V.
Marketing authorisation number:	
Target species:	Cattle
Total number of containers in this batch:	6 336
Number of containers the release is applied for:	6 336
Number of doses per container:	50
Number of samples for the competent authority:	-
Date of expiry:	Jun-2015
Name and address of Marketing Authorisation Holder:	Intervet Nederland B.V. Wim de Körverstraat 35 5831 AN BOXMEER THE NETHERLANDS, represented by the local company

20-Nov-2014/cc
1103291449/10

Manufacturer's Batch Protocol

Product: Bovilis IBR Marker Inac vakcina A.U.V. Batch:A026A01

FINAL BATCH TESTING (FINISHED PRODUCT)

<u>Date on</u>	<u>Date off</u>	<u>Test results</u>
03-Jul-2014	24-Jul-2014	<p><u>Sterility (FPC-01)</u> Tested according to Ph. Eur. 0062/Ph.Eur.2.6.1 Result: No growth Threshold: No growth Conclusion: Passed</p>
25-Jul-2014	06-Aug-2014	<p><u>Inactivation (FPC-02)</u> Tested according to Ph. Eur. 0062 Result: Inactivated Threshold: Inactivated Conclusion: Passed</p>
24-Jun-2014	12-Aug-2014	<p><u>Potency using mice (FPC-07)</u> Result: Conform Threshold: Conform Conclusion: Passed</p> <p><u>Potency IBR marker inac (VN)</u> Single result: 8 / 10 / 10 / 8 / 9 / 8 / 9 / 9 / 9 / 9 / 9 Log 2 Average: 8.9 Log 2 Threshold: 6.1 – 11.1 Log 2 Conclusion: Passed</p>
26-Jun-2014	26-Jun-2014	<p><u>Aluminium (FPC-04)</u> Tested according to Ph. Eur. 2.5.13 Result: 3.7 mg/ml Threshold: 3.0 – 4.4 mg/ml Conclusion: Passed</p>
29-Jul-2014	29-Jul-2014	<p><u>Free formaldehyde (FPC-05)</u> Tested according to Ph. Eur. 2.4.18 Result: 0.04 % Threshold: 0.03 – 0.05 % Conclusion: Passed</p>

Manufacturer's Batch Protocol

Product: Bovilis IBR Marker Inac vaccin A.U.V. Batch:A026A01

FINAL BATCH TESTING (FINISHED PRODUCT)

<u>Date on</u>	<u>Date off</u>	<u>Test results</u>
30-Jun-2014	30-Jun-2014	<u>pH (FPC-03)</u> Tested according to Ph. Eur. 2.2.3 Result: 7.5 Threshold: 6.0 - 8.0 Conclusion: Passed
24-Jul-2014	25-Jul-2014	<u>Marker property (FPC-08)</u> Result: No IBR-GE specific antibodies detected Threshold: No IBR-GE specific antibodies detected Conclusion: Passed
29-Aug-2014	04-Sep-2014	<u>Identity BHV-1 (FPC-08)</u> Result: Identity conform Threshold; Identity conform Conclusion: Passed
17-Jun-2014	17-Jun-2014	<u>Appearance (FPC-09)</u> Result: Conform Threshold: Pink turbid solution Conclusion: Passed

Manufacturer's Batch Protocol

Product: Bovilis IBR Marker Inac vakcina A.U.V. Batch:A026A01

PRODUCTION INFORMATION

<u>Component</u>	<u>Batch</u>	<u>Site(s) of manufacturing</u>
Antigen	See composition table	Intervet, Boxmeer, the Netherlands
Bulk vaccin	see blending	Intervet, Boxmeer, the Netherlands
Filled product	see filling	Intervet, Boxmeer, the Netherlands

STARTING MATERIALS:

Virus seed lots:

Master seed material: gE⁻ BHV-1 virus strain Gk/D
MS-batch number: 211196
Last testing: 16-OCT-1997

Working seed material: gE⁻ BHV-1 virus strain Gk/D
WS-batch number: 99.20.002N
Last testing: 28-Mar-2003

Permanent cell line:

Master cell seed: JCK cell line
MCS-batch number: 56⁺ MCS/3
Last testing: 11-MAY-1999

INTERMEDIATE STAGES OF PRODUCTION

PRODUCTION OF IBR COMPONENT:

<u>Production step</u>	<u>Start</u>	<u>End</u>	<u>Volume</u>
Batch BIMI4101			
Seed:	21-Feb-2014	21-Feb-2014	0.003 MOI
Harvest:	26-Feb-2014	26-Feb-2014	485.4 kg
Inactivation:	26-Feb-2014	26-Feb-2014	508.0 kg
Concentration:	03-Mar-2014	03-Mar-2014	50.6 kg
Batch BIMI4102			
Seed:	28-Feb-2014	28-Feb-2014	0.003 MOI
Harvest:	05-Mar-2014	05-Mar-2014	479.5 kg
Inactivation:	05-Mar-2014	05-Mar-2014	506.5 kg
Concentration:	10-Mar-2014	10-Mar-2014	50.75 kg

CREATION OF THE FINISHED PRODUCT

BLENDED OF FINAL BULK:

Batch number: A026
Start date: 04-Jun-2014
End date: 05-Jun-2014
Total volume: 848.5 kg

Paul-Ehrlich-Institut Postfach D-63207 Langen
Intervet Deutschland GmbH
Feldstraße 1a
D - 85716 Unterschleißheim

Administrative Code: 4/3:2.03.01.0096
Reference Number: 20372/14
Date of Release of Certificate: 05.12.2014

**EU/EEA OFFICIAL CONTROL AUTHORITY BATCH RELEASE CERTIFICATE
FOR IMMUNOLOGICAL VETERINARY MEDICINAL PRODUCT**

Examined under Article 82 of Directive 2001/82/EC as amended by Directive 2004/28/EC

Trade name:	Bovilis IBR Marker inac
International non-proprietary Name / Ph. Eur. name / common name:	Infectious bovine rhinotracheitis vaccine, inactivated
Name and address of manufacturer responsible for batch release:	Intervet International B.V. Wim de Körverstraat 35 P.O. Box 31 NL-5830 AA Boxmeer
Marketing authorisation number (Member State / EC)	PEI.V.03246.01.1
Manufacturer's batch number(s): - final bulk no - final lot no - packaging lot no	A026 A026A A026A01-10
Batch number of diluent (where appropriate):	-
Type of container:	PET bottles
Total number of containers of this batch:	6,336
Number of doses/volume per container:	50
Date of start of period of validity:	24.06.2014
Expiry date:	05.2016




This batch has partly been examined using testing procedures for which the Paul-Ehrlich-Institut has been accredited. The accredited testing procedures are shown on <http://www.pei.de/qm-en>.

This batch has been examined in conformity with Article 82. The examination is based on review of the manufacturer's protocol and repetition of the appropriate control laboratory tests.

This batch is in compliance with the approved specifications laid down in the above-mentioned marketing authorisation.

Technical details for these compliance results are attached to this form.

Fees are laid down separately.



Dr. Ingun Lemke



AUTHORITY'S TEST REPORT

Trade name:	Bovilis IBR Marker inac
Marketing authorisation number:	PEI.V.03246.01.1
Manufacturer's batch number(s): -final bulk no -final lot no -packaging lot no	A026 A026A A026A01-10
Expiry date:	05.2016

Results:

Method (SOP):	Appearance (S-31)
Test dates:	30.09.2014
Results:	Conform to specifications.
Specifications:	Pink turbid suspension.

Results:

Method (SOP):	Potency test (4/3-A-019)
Test dates:	09.10.-03.12.2014
Results:	Seroconversion of 10/10 mice Individual results: 6; 8; 8; 7; 7; 8; 8; 5; 8; 7 Mean SN titre = 7.2 log ₂
Specifications	Seroconversion of 08/10 mice Mean SN titre 6.1-11.1 log ₂ VN units

Remarks/further tests:

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Dr. Ingun Lemke



**Model for manufacturers of a
MARKETING INFORMATION FORM**

Notification of the intention to market a batch of an immunological veterinary medicinal product, which has a marketing authorisation in the following EC/EEA Member State Hungary and has received an EC Batch release certificate after OBPR or OCABR in another Member State in accordance with Article 81 or Article 82 of EC Directive 2004/28/EC and in view of mutual recognition.

Trade name in the above mentioned Member State:	Bovilis IBR Marker Inac vakcina A.U.V.
International non-proprietary name / Ph. Eur. name / common name:	Infectious bovine rhinotracheitis vaccine (inactivated).
Name and address of Marketing Authorisation Holder (MAH) for the above mentioned Member State:	Intervet International B.V. Wim de Körverstraat 35 5831 AN Boxmeer Represented by the local company
Market authorisation number in the above mentioned Member State:	2067/1-5/06 ÁOGYTI
Identification numbers associated with the lot to be marketed in the above mentioned Member State:	
Bulk number (final formulated bulk):	A026
Final lot number:	A026A
Packaging lot number (if different from final lot n°):	A026A01
Batch number of diluent: (where appropriate)	-
Type of Container:	Pet bottles
Number of doses/volume of container:	50
Total number of containers to be marketed in the above noted Member State:	480
Proposed date of marketing:	After approval batch release
Assigned expiry date for this lot in the above noted Member State:	Jun-2016

CA/OMCL performing batch release:	PEI
Type of certificate: (i.e.: OCABR or OBPR)	Art. 82 (OCABR)
Official batch release certificate number:	20372/14

I hereby declare that:

- this batch is in compliance with the above marketing authorisation and the relevant European Pharmacopoeia monographs;
- this batch is the batch referred to in the accompanying batch release certificate;
- a copy of the batch release certificate (in the case of OCABR with the annexed test results) and the manufacturer's protocol are attached.

Signature of qualified person (MAH):	S.T.M. Verstegen
Name of qualified person (MAH):	Qualified Person
Date of issue:	27 JAN 2015

Use of the following section is optional

For completion by the CA/OMCL after submission:

Date received:	
Signature of qualified authority (CA/OMCL):	
Name of qualified authority (CA/OMCL):	
Decision and Date:	

27-Jan-2015/mw

EDQM ♦ OCABR/OBPR of IVMPs 2010