OIE Reference Laboratory Reports Activities

Activities in 2013

This report has been submitted : 2014-01-31 18:06:48

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Infectious bovine rhinotracheitis/infectious pustular vulvovaginitis
Address of laboratory:	Südufer 10 17493 Greifswald Insel Riems GERMANY
Tel.:	+49 383 517 1200
Fax:	+49 383 517 1226
e-mail address:	martin.beer@fli.bund.de
website:	www.fli.bund.de
Name (including Title) of Head of Laboratory (Responsible Official):	PD Dr. Martin Beer
Name (including Title and Position) of OIE Reference Expert:	PD Dr. Martin Beer
Which of the following defines your laboratory? Check all that apply:	Governmental Research

ToR: To use, promote and disseminate diagnostic methods validated according to OIE Standards

1. Did your laboratory perform diagnostic tests for the specified disease/topic for purposes such as disease diagnosis, screening of animals for export, surveillance, etc.? (Not for quality control, proficiency testing or staff training)

Yes

Diagnostic Test	Indicated in OIE Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
BHV-1 gE ELISA	yes	476	416
Prototype BHV-1 gE ELISA	no	301	93
Indirect BHV-1 ELISA	yes	84	94
BHV-1 gB ELISA	yes	292	413
Serumneutralisation test	yes	101	19
Direct diagnostic tests		Nationally	Internationally
Virus isolation in cell culture	yes	36	18
IFA	yes	22	3
PCR	yes	75	18
RFLP	yes	22	3

ToR: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards.
To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by the OIE?

No

3. Did your laboratory supply standard reference reagents (non OIE-approved) and/or other diagnostic reagents to OIE Member Countries?

Yes

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient OIE Member Countries	Region of recipients
serum	ELISA SNT	2/70	114ml	402ml	6	☐Africa ☒Americas ☐Asia and Pacific ☒Europe ☐Middle East
milk	ELISA	0/5	40ml	18ml	3	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East
virus	Cell culture IFA PCR	20/15	260ml	16ml	1	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East
monoclonal antibodies	IFA	0/5	15ml			☐Africa ☐Americas ☐Asia and Pacific ☐Europe ☐Middle East

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to OIE Member Countries?

No

ToR: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?

No

7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?

No

ToR: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?

Yes

Name of OIE Member Country seeking assistance	Date (month)	No. samples received for provision of diagnostic support	No. samples received for provision of confirmatory diagnoses
AUSTRIA	January	0	290
KAZAKHSTAN	February	0	65
NEW CALEDONIA	February	0	2
FRANCE	March	0	16
MALTA	June	23	0
NEW CALEDONIA	July	0	1
UNITED KINGDOM	August	0	1
UNITED KINGDOM	September	0	1
JORDAN	October	0	5
SWITZERLAND	November	0	32

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

No

ToR: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?

No

ToR: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases

11. Did your Laboratory collect epizootiological data relevant to international disease control?

Yes

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?

Yes

13. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category)

a) Articles published in peer-reviewed journals: 4

b) International conferences: 2
AHI Ireland, Conference and Workshop Animal Health, 2013/10/21.-22., Cork, Ireland

Switzerland ESVV Herpesvirus Workshop, 2013/01/ Zürich, Switzerland

c) National conferences: 1
DVG, Fachgruppe "Tierseuchen", 2013/05/28.-29. Berlin
6. Riemser Diagnostiktage, 2013/11/21.-22. Greifswald
Fortbildungsveranstaltung der TSK Jena, 2013/10/18, Jena

d) Other:
(Provide website address or link to appropriate information) 3
www.fli.bund.de
Tiergesundheitsjahresbericht 2012 / Hrsg.: Friedrich-Loeffler-Institut, Bundesforschungsinstitut für Tiergesundheit; Friedrich-Loeffler-Institut, Bundesforschungsinstitut für Tiergesundheit,

ToR: To provide scientific and technical training for personnel from OIE Member Countries
To recommend the prescribed and alternative tests or vaccines as OIE Standards

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

No

ToR: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned

15. Does your laboratory have a Quality Management System certified according to an International Standard?

Yes

Quality management system adopted
ISO 17025

16. Is your laboratory accredited by an international accreditation body?

Yes

Test for which your laboratory is accredited	Accreditation body
Serum neutralisation	DAkks
ELISA (marker and conventional) on serum and milk	DAkks
virus isolation	DAkks
Nucleic acid extraction and BHV-1 PCR/qPCR	DAkks
RFLP	DAkks

17. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?

Yes

(See Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 2012, Chapter 1.1.3 or Manual of Diagnostic Tests for Aquatic Animals 2012, Chapter 1.1.1)

ToR: To organise and participate in scientific meetings on behalf of the OIE

18. Did your laboratory organise scientific meetings on behalf of the OIE?

No

19. Did your laboratory participate in scientific meetings on behalf of the OIE?

No

ToR: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results

20. Did your laboratory exchange information with other OIE Reference Laboratories designated for the same

pathogen or disease?

Yes

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?

Yes

Purpose of the proficiency tests: [1]	Role of your Reference Laboratory (organiser/ participant)	No. participants	Participating OIE Ref. Labs/ organising OIE Ref. Lab.
BHV1 gB serology	participant	15	100% correct results
BHV1 gE serology	participant	15	100% correct results

[1] *validation of a diagnostic protocol: specify the test; quality control of vaccines: specify the vaccine type, etc.*

22. Did your laboratory collaborate with other OIE Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

ToR: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?

Yes

Note: See Interlaboratory test comparisons in: Laboratory Proficiency Testing at:
http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing see point 1.3

Purpose for inter-laboratory test comparisons[1]	No. participating laboratories	Region(s) of participating OIE Member Countries
Standardisation of PCR techniques	1	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East

ToR: To place expert consultants at the disposal of the OIE

24. Did your laboratory place expert consultants at the disposal of the OIE?

No

25. Additional comments regarding your report:

Lively remote assistance via email
main topics: standardisation of serological tests (mainly SNT), recommendation of ELISA Systems, reference materials