OIE Reference Laboratory Reports Activities

Activities in 2014

This report has been submitted : 2015-01-15 13:52:52

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Infectious bovine rhinotracheitis/infectious pustular vulvovaginitis
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Name (including Title) of Head of Laboratory (Responsible Official):	Prof. Dr. Martin Beer, deputy head: Dr. Patricia König
Name (including Title and Position) of OIE Reference Expert:	Prof. Dr. Martin Beer
Which of the following defines your laboratory? Check all that apply:	Governmental Research

ToR 1: 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	3301	45
BHV-1 gB ELISA	yes	525	37
BHV-1 whole virus ELISA	yes	165	12
serum neutralisation test	yes	65	10
BHV-1 whole virus milk ELISA	no	69	0
BHV-2 whole virus ELISA	no	31	4
BHV-1 inhouse ELISA	no	50	6
Bo/BuHV-1 differentiation ELISA	no	406	0
Direct diagnostic tests		Nationally	Internationally
virus isolation in cell culture	yes	30	0
IFA	yes	16	0
PCR	yes	149	8
RFLP	yes	16	0

ToR 2: 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	0/70	126ml	514ml	8	☐Africa ☒Americas ☐Asia and Pacific ☒Europe ☐Middle East
milk	ELISA	19/24	35ml	63ml	4	☐Africa ☒Americas ☐Asia and Pacific ☒Europe ☐Middle East
virus	cell culture IFA PCR	0/20	2ml	2ml	2	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East
monoclonal antibodies	IFA	5/10	0	0		☐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 3: 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 4: 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
UNITED STATES OF AMERICA	March	0	2
ITALY	March		1
ITALY	June		1
FRANCE	July		1
ITALY	August		2
ITALY	October		1
UNITED STATES OF AMERICA	November		3
ITALY	December		4

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

Yes

Name of the OIE Member Country receiving a technical consultancy	Purpose	How the advice was provided
UNITED STATES OF AMERICA	test validation	audio conference
BELGIUM	test validation	audio conference
ETHIOPIA	selection of diagnostic tools	email
CHINA (PEOPLE'S REP. OF)	test validation accreditation	2 days visit at the OIE reference lab

ToR 5: 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 6: 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: 3
Zoetis European Bios Forum, 2014/09/03.-04 Paris, France
"BVD & IBR Landscape in Germany"
Third Global Conference of OIE Reference Centres,2014/10/14.-16., Incheon, South Korea
"Validation of BoHV-1 PCR"

c) National conferences: 1
33th Annual Meeting of the AVID, Kloster Banz, Germany
"News and current issues from the OIE and NRL for BHV-1"

d) Other:

(Provide website address or link to appropriate information) 2
www.fli.bund.de
Tiergesundheitsjahresbericht 2013 / Hrsg.: Friedrich-Loeffler-Institut, Federal Research Instiute for Animal Health

ToR 7: 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 8: 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	Certificate scan (PDF, JPG, PNG format)
ISO 17025	D-PL-14002-02-00_DAkkS_Symbol_RGB_1 1.jpg

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

Yes

Test for which your laboratory is accredited	Accreditation body
flexible accreditation: SNT, ELISA (marker and conventional) on serum, plasma and milk	DAKKs
virus isolation/ nucleic acid extraction / BHV-1 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 2014, Chapter 1.1.3a)

ToR 9: 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?

Yes

Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
Third Global Conference of OIE Reference Centres	10/2014	Incheon, South Korea	speaker	Validation of BoHV-1 PCR

ToR 10: 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?

No

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.
antibody detection in blood and milk: ELISA, SNT Virus detection: cell culture, PCR	organiser	51	1

[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 11: 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
serology milk serology virus/genome detection	51	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East

ToR 12: 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:

Cooperation with the newly established second OIE reference laboratory (APHA, Weybridge) will be intensified in 2015