

WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 20 mars 2023 12:07

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Bovine viral diarrhoea
Address of laboratory:	Animal and Plant Health Agency - Weybridge, Addlestone, Surrey KT15 3NB UNITED KINGDOM
Tel.:	+442084152102
E-mail address:	rebecca.strong@apha.gov.uk
Website:	https://www.gov.uk/government/organisations/animal-and-plant-health-agency
Name (including Title) of Head of Laboratory (Responsible Official):	Mr David Holdsworth, Chief Executive
Name (including Title and Position) of WOA Reference Expert:	Dr Rebecca Strong, OIE expert for BVD
Which of the following defines your laboratory? Check all that apply:	Governmental

TOR1: DIAGNOSTIC METHODS

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 WOA Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
Antibody ELISA (serum) TC0390	Yes	3594	41

BVD antibodies in bulk milk TC0123	Yes	54	0
BVD antibodies in individual milk TC0633	Yes	0	0
Serum neutralisation (BD) TC0292	No	430	0
Serum neutralisation (BVD) TC1165	Yes	317	0
Serum neutralisation (differential) TC1254	No	10	0
Direct diagnostic tests		Nationally	Internationally
BVD virus isolation - semen TC0489	Yes	107	0
BVD virus isolation - tissues - 2 passages TC0564	Yes	0	0
Erns Antigen ELISA (BVD) TC0772	Yes	4406	31
PCR for Border disease in tissue or heparinised blood TC0755	No	1202	0
RT-PCR BVD (bulk milk) TC0709	Yes	153	0
RT-PCR BVD (whole blood or tissues) TC0655	Yes	1185	0
Border disease virus in pooled sera samples TC0358	Yes	7	0
BVD virus in blood RT-PCR TC0758	Yes	66	0
BVD Ag ELISA ear notch samples TC0872	Yes	10	0

TOR2: REFERENCE MATERIAL

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

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOA?H Members?

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOA?H MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
WB160 mAb	BVDV1/BDV detection	11	0	11	4	Asia and Pacific Europe
WB103/105 mAb	Pan pesti virus detection	21	4	17	5	Asia and Pacific Europe
WB162 mAb	BVDV1 Detection	4	0	4	2	Asia and Pacific
WB210 mAb	BVDV1 detection	34	0	34	5	America Asia and Pacific Europe MiddleEast

WB215 mAb	BVDV1 detection	2	0	2	1	Asia and Pacific
WS363 mAb	BDV detection	7	1	3	4	Asia and Pacific Europe
WS433 mAb	BVDV2/BDV detection	11	0	11	4	America Asia and Pacific Europe
BVDV mAb mix – WB103/ WB112/ WB116/ WB214	Pan pesti virus detection	5	0	5	2	Asia and Pacific Europe
WB112 mAb	BVDV detection	33	0	33	3	America Asia and Pacific
WB166 mAb	BVDV-1/BDV detection	5	0	5	4	Asia and Pacific Europe
WB214 mAb	BVDV-1 detection	3	0	3	2	Asia and Pacific
WS538	BVDV-2 detection	4	0	4	2	Asia and Pacific

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAHA Members?

No

TOR3: NEW PROCEDURES

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?

No

7. Did your laboratory validate diagnostic methods according to WOAHA Standards for the designated pathogen or disease?

No

8. Did your laboratory develop new vaccines for the designated pathogen or disease?

No

9. Did your laboratory validate vaccines according to WOAHA Standards for the designated pathogen or disease?

No

TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAHA Members?

No

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAHA Member?

Yes

NAME OF THE WOAHA MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
ETHIOPIA	Advice on suitable positive controls for various BVDV testing	Email
TURKEY	Advice on proficiency testing	Email
SPAIN	Advice on positive controls for	Email

	BVDV qRT-PCR	
UNITED STATES OF AMERICA	Advice on suitable samples for BVDV test development	Email

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAHA Members other than the own?

No

TOR6: EPIZOOLOGICAL DATA

14. Did your Laboratory collect epidemiological data relevant to international disease control?

No

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?

No

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

a) Articles published in peer-reviewed journals:

0

b) International conferences:

0

c) National conferences:

0

d) Other (Provide website address or link to appropriate information):

0

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAHA Members?

No

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO9001		C_fakepath_ISO9001 certificate 2020-2023 (7).pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Bovine viral diarrhoea - virus isolation from semen	UKAS
Bovine viral diarrhoea (Erns) antigen - cattle > 30 days old	UKAS
Bovine viral diarrhoea (Erns) antigen ELISA for ear notch tissue samples	UKAS
Bovine viral diarrhoea antibodies in bulk milk	UKAS

20. Does your laboratory maintain a "biorisk management system" for the pathogen and the disease concerned?

Yes

APHA maintains a complete and functioning laboratory biological risk management system, which ensures that the laboratory is in compliance with applicable local, national (UK Health and Safety Executive), regional, and international standards and requirements for biosafety and laboratory biosecurity.

TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOA?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOA?

No

TOR10: NETWORK WITH WOA REFERENCE LABORATORIES

23. Did your laboratory exchange information with other WOA Reference Laboratories designated for the same pathogen or disease?

No

24. Are you a member of a network of WOA Reference Laboratories designated for the same pathogen?

No

25. Did you organise or participate in inter-laboratory proficiency tests with WOA Reference Laboratories designated for the same pathogen?

No

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

No

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOA Reference

Laboratories for the same pathogen?

Yes

Purpose for inter-laboratory test comparisons ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOA Member Countries
BVDV Blood Ag/PCR PT0010	Organiser	32	America Asia and Pacific Europe
BVDV bulk milk PT0011	Organiser	25	America Asia and Pacific Europe
BVDV serum PT0012	Organiser	37	Asia and Pacific Europe
BVDV Ear tissue ELISA PT0148	Organiser	16	America Asia and Pacific Europe
BVDV in bulk milk PCR PT0160	Organiser	9	America Asia and Pacific Europe
BVDV Ear Tissue PCR PT0178	Organiser	16	America Asia and Pacific Europe MiddleEast

TOR12: EXPERT CONSULTANTS

28. Did your laboratory place expert consultants at the disposal of WOA?

No

29. Additional comments regarding your report:

No