

# WOAH Reference Laboratory Reports Activities 2022

## Activities in 2022

This report has been submitted : 26 avril 2023 11:54

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOAHO Reference Laboratory:</b>	Bovine spongiform encephalopathy
<b>Address of laboratory:</b>	Animal and Plant Health Agency (APHA) Weybridge, Pathology Dept., Woodham Lane, New Haw, Addlestone, Surrey KT15 3NB, UNITED KINGDOM
<b>Tel.:</b>	+447880447456
<b>E-mail address:</b>	john.spiropoulos@apha.gov.uk
<b>Website:</b>	<a href="https://science.vla.gov.uk/tseglobalnet/oie.html">https://science.vla.gov.uk/tseglobalnet/oie.html</a>
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Mr David Holdsworth
<b>Name (including Title and Position) of WOAHO Reference Expert:</b>	Dr John Spiropoulos, Senior Veterinary Pathologist
<b>Which of the following defines your laboratory? Check all that apply:</b>	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 WOAHO Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
Western Blot	YES	54	0
ELISA	YES	135	0

Immunohistochemistry	YES	651	10
Direct diagnostic tests		Nationally	Internationally

## 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
Histology slides	Immunohistochemistry	7	0	7	2	Asia and Pacific Europe

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOA?H 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 WOA?H 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 WOA?H Standards for the designated pathogen or disease?

No

## TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

NAME OF WOA?H MEMBER COUNTRY SEEKING ASSISTANCE	DATE	WHICH DIAGNOSTIC TEST USED	NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC SUPPORT	NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY DIAGNOSES
NEW ZEALAND	2022-03-17	Western blot and Immunohistochemistry	1	0

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

Yes

NAME OF THE WOA MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
AUSTRALIA	Provision of technical advice regarding immunohistochemistry	Via emails and a teleconference
BRAZIL	Request about immunohistochemistry proficiency testing schemes	Via email
COSTA RICA	Provision of technical advice regarding immunohistochemistry	Via email
	Request about Western blot proficiency testing schemes	Via email
BRAZIL	Request about ELISA proficiency testing schemes	Via email

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOA 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:

1

*Prion disease modelled in Drosophila*

Raymond Bujdoso, Andrew Smith, Oliver Fleck, John Spiropoulos, Olivier Andréoletti & Alana M. Thackray (2022)

*Cell and Tissue Research*

<https://doi.org/10.1007/s00441-022-03586-0>

b) International conferences:

1

*Have the Biological Properties of Classical BSE Changed After the Implementation of the Reinforced Feed Ban in 1996 in the UK?*

J. Hills, E. Simon, S.A. Mignacca, K. Beck, C. Vickery, R. Lockety, J. Thorne, P. Griffiths, J. Spiropoulos (2022)

*Journal of Comparative Pathology*

<https://doi.org/10.1016/j.jcpa.2021.11.036>

c) National conferences:

0

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

1

APHA TSE website (<https://science.vla.gov.uk/tse-lab-net/>)

## TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOA H 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)	
ISO 9001:2015	ISO9001 certificate 2020-2023.pdf	ISO9001 certificate 2020-2023.pdf
ISO/IEC 17025:2017	cert of acc 1769.pdf	cert of acc 1769.pdf
GLP	2020-12-22 GLP Statement of Compliance (APHA).pdf	2020-12-22 GLP Statement of Compliance (APHA).pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Immunohistochemistry	VETQAS
Western Blotting	VETQAS

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

Yes

## TOR9: SCIENTIFIC MEETINGS

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

No

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

No

## TOR10: NETWORK WITH WOA H REFERENCE LABORATORIES

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

Yes

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?

No

## **TOR12: EXPERT CONSULTANTS**

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

No

29. Additional comments regarding your report:

Yes

*This OIE BSE reference laboratory has also produced and provided via VETQAS Proficiency Testing (APHA's independent, accredited, proficiency testing service) brain tissue to 25 participants for ELISA validation and to 9 participants for confirmatory western blot validation. The OIE reference laboratory was involved in tissue production, data interpretation and provided technical advice whenever it was required.*