

# WOAH Reference Laboratory Reports Activities 2023

## Activities in 2023

This report has been submitted : 30 avril 2024 12:57

### Laboratory Information

|  |  |
|--|--|
| <b>Name of disease (or topic) for which you are a designated WOAHO Reference Laboratory:</b> | Contagious Equine Metritis                                       |
| <b>Address of laboratory:</b>  | APHA Penrith, Merrythought, Calthwaite, CA11 9RR, United Kingdom |
| <b>Tel.:</b>   | +443000600012  |
| <b>E-mail address:</b>   | laura.florea@apha.gov.uk   |
| <b>Website:</b>  |  |
| <b>Name (including Title) of Head of Laboratory (Responsible Official):</b>                  | Jason Sawyer PhD   |
| <b>Name (including Title and Position) of WOAHO Reference Expert:</b>                        | Laura Florea, Veterinary Investigation Officer                   |
| <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 |                 |
|---------------------------|------------------------------------|--|-----------------|
|                           |                                    | Nationally                               | Internationally |
| Indirect diagnostic tests |                                    |  |                 |
| Direct diagnostic tests   |                                    |  |                 |
| Culture                   |                                    | 5124                                     | 0               |
| PCR                       |                                    | 347                                      | 0               |

### TOR2: REFERENCE MATERIAL

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

No

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

No

4. Did your laboratory produce vaccines?

Not applicable

5. Did your laboratory supply vaccines to WOAHO Members?

Not applicable

### 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 WOAHO 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 WOAHS Standards for the designated pathogen or disease?

No

## **TOR4: DIAGNOSTIC TESTING FACILITIES**

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

No

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

No

## **TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES**

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

No

13. In exercising your activities, have you identified any regulatory research needs\* relevant for WOAHS?

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:

3

MAWHINNEY I; BOLLARD A (2023) Enhanced detection of *Taylorella equigenitalis* by qPCR using 'Dry' swabs. *Journal of Equine Science* 34 (1) 7-12. <https://doi.org/10.1294/jes.34.7>

Kozak S; Merda D; Duquesne F; Breuil MF; MAWHINNEY I; Petry S (2023) Whole genome sequence analysis of the 2018 Persian onager isolate suggests sublineages within the *Taylorella asinigenitalis* species. *Veterinary Microbiology* 286 <https://doi.org/10.1016/j.vetmic.2023.109884>

MAWHINNEY I. (2023) Ten years of *Taylorella equigenitalis* ring trial results comparing culture and polymerase chain reaction. *Rev. Sci. Tech. Off. Int. Epiz.*, 2020, 39 (3), 717-724. <https://doi.org/10.20506/rst.39.3.3173>

b) International conferences:

1

European CEM Workshop in Maisons-Alfort on October 12, 2023 – presentation by Dr Ian Mawhinney

c) National conferences:

0

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

4

Quarterly Report to Equine Infectious Disease Surveillance (<https://equinesurveillance.org/landing/>)

## 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) |               |
|-----------------------------------|---|---------------|
| ISO 17025                         | Pdf                                     | ISO 17025.pdf |

19. Is your quality management system accredited?

Yes

| Test for which your laboratory is accredited | Accreditation body |
|--|--------------------|
| CEMO culture                                 | UKAS               |
| CEMO PCR                                     | UKAS               |

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

Yes

The Penrith APHA laboratory, which the Contagious Equine Metritis (CEM) national reference laboratory (NRL) is part of, has an auditable and fully working biological risk management system in place which ensures the whole laboratory is in compliance with applicable local, national, regional, and international standards and requirements for biosafety and laboratory biosecurity (in accordance with the WOAHA Terrestrial Manual, Chapter 1.1.4). It also follows local Risk Assessments, Health and Safety regulations/ guidance and Standard Operating Procedures and it is audited periodically by HSE (Health and Safety Executive, UK).

## TOR9: SCIENTIFIC MEETINGS

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

No

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

No

## TOR10: NETWORK WITH WOAHA REFERENCE LABORATORIES

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

Yes

24. Do you network (collaborate or share information) with other WOAHA Reference Laboratories designated for the same pathogen?

No

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

No

26. Did your laboratory collaborate with other WOAHA 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 WOAHA Reference Laboratories for the same pathogen?

Yes

| Purpose for inter-laboratory test comparisons <sup>1</sup> | Role of your reference laboratory (organizer/participant) | No. participating laboratories | Name of the Test | WOAHA Member Countries                 |
|--|---|--------------------------------|------------------|--|
|  |   |                                |                  | BELGIUM, CANADA, DENMARK, FRANCE, HONG |

BELGIUM, CANADA, DENMARK, FRANCE, HONG

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|  |                        |    |                 |  |
|--|------------------------|----|-----------------|--|
| PT0102 (non-UK labs): Taylorella equigenitalis ring trial                  | Organiser/ participant | 18 | Culture and PCR | KONG, KOREA (DEM. PEOPLE'S. REP. OF), PORTUGAL, SOUTH AFRICA, SPAIN, SWEDEN, UNITED STATES OF AMERICA, |
| PT0104 (non-UK labs): Taylorella equigenitalis, Klebsiella and Pseudomonas | Organiser/ participant | 8  | Culture and PCR | HONG KONG, ITALY,  |
| PT0161(UK): BEVA approved labs proficiency testing                         | Organiser              | 12 | PCR             | UNITED KINGDOM,  |
| PT0103(UK): BEVA approved labs proficiency testing                         | Organiser              | 21 | culture         | UNITED KINGDOM,  |

## **TOR12: EXPERT CONSULTANTS**

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

No

29. Additional comments regarding your report:

No