

# WOAH Reference Laboratory Reports Activities 2022

## Activities in 2022

This report has been submitted : 25 avril 2023 15:44

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOA Reference Laboratory:</b>	Contagious equine metritis
<b>Address of laboratory:</b>	ANSES, Laboratory for Animal Health, Normandy site - Physiopathology and Epidemiology of Equine Diseases (PhEED) Unit - D675 - 14430 Goustranville - FRANCE
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<b>E-mail address:</b>	sandrine.petry@anses.fr
<b>Website:</b>	
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Dr Pascal BOIREAU
<b>Name (including Title and Position) of WOA Reference Expert:</b>	Dr Sandrine Petry
<b>Which of the following defines your laboratory? Check all that apply:</b>	Governmental Research agency Academic institution

### 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	
Indirect diagnostic tests		Nationally	Internationally
IFAT	YES	18	0
Real time PCR	YES	18	0
Direct diagnostic tests		Nationally	Internationally

Culture method	YES	9	0
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## 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
Anti-T. equigenitalis serum for slide agglutination test	Culture method	Produced	9 x 1 ml 5 x 0.2 ml	0	0	Europe
Bacterial strains identified (Taylorella spp.)	Culture method, real time PCR and IFAT	Produced	0	0	0	

4. Did your laboratory produce vaccines?

Not applicable

5. Did your laboratory supply vaccines to WOA?H 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 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?

No

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

Yes

NAME OF THE WOA?H MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED

FINLAND	MLST genotyping : curation of DNA sequences in the database <a href="https://pubmlst.org/taylorella/">https://pubmlst.org/taylorella/</a>	- Curation of DNA sequences in the database <a href="https://pubmlst.org/taylorella/">https://pubmlst.org/taylorella/</a> - Exchanges by email
DENMARK	MLST genotyping : curation of DNA sequences in the database <a href="https://pubmlst.org/taylorella/">https://pubmlst.org/taylorella/</a>	- Curation of DNA sequences in the database <a href="https://pubmlst.org/taylorella/">https://pubmlst.org/taylorella/</a> - Exchanges by email
SLOVENIA	Request for information on the preparation of artificially contaminated samples in the context of accreditation of the culture method	Exchanges by email
THE NETHERLANDS	Request for information on possible suppliers of reagents to produce home-made media for the culture method following difficulties in the delivery of these reagents	Exchanges by email
THE NETHERLANDS	Exchanges on the production of media for culture method, and specifically on the importance to add lysed horse blood at the same step of the antibiotics are added (when the medium is cooled to 45–50°C) as specified in the 2012 version of the WOAHP Terrestrial Manual - Chapter 2.5.2, contagious equine metritis.	Exchanges by email

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

No

## TOR6: EPIZOOLOGICAL DATA

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

Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

Each year our laboratory collects the number of cases of contagious equine metritis (CEM) reported in 23 European countries. 204 CEM cases were reported in 2022 from 11 European countries (182 CEM cases were reported in 2021 from 10 European countries).

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

Breuil, M.F., M. Joseph, and S. Petry. 2022. "Comparison of five basal compositions of selective chocolate agar media for isolation of

*Taylorella equigenitalis*." *Journal of Equine Veterinary Science* 110:103829. <https://doi.org/10.1016/j.jevs.2021.103829>

b) International conferences:

0

c) National conferences:

1

Kozak, S., S. Sevin, F. Duquesne, M.F. Breuil, J.C. Valle-Casuso et S. Petry. 2022. "Développement d'un protocole d'évaluation de la résistance in vitro aux antibiotiques adapté au genre *Taylorella*." 17e Congrès de la SFM, Montpellier, 03-05 Octobre 2022.

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 WOA H Members?

Yes

a) Technical visit : 0

b) Seminars : 0

c) Hands-on training courses: 1

d) Internships (> 1 month) 0

Type of technical training provided (a, b, c or d)	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
CEM diagnosis using real time PCR	Latvia	1

## TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
	CoFrac 1-6764 du 211001.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Isolement et identification de <i>Taylorella equigenitalis</i> (diagnostic bactériologique de la métrite contagieuse équine) selon la norme NF U47-108 / Matrice : prélèvements génitaux d'équidés	Cofrac
Identification de <i>Taylorella equigenitalis</i> (diagnostic bactériologique de la métrite contagieuse équine) selon la norme NF U 47-108	Cofrac

(identification § 9.2.2) / Matrice : souches bactériennes	
Extraction manuelle par absorption sur colonne et amplification par PCR en temps réel selon la méthode interne ANSES/LSA-INS-1433 / Matrice : prélèvements génitaux d'équidés	Cofrac
Extraction manuelle par lyse thermique et amplification par PCR en temps réel selon la méthode interne ANSES/LSA-INS-1433 / Matrice : souches bactériennes	Cofrac
Identification par immunofluorescence (IFAT) selon la norme NF U47-110 / Matrice : prélèvements génitaux d'équidés	Cofrac
Identification par immunofluorescence (IFAT) selon la méthode interne ANSES/LSA-INS-1346 / Matrice : souches bactériennes	Cofrac

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

Yes

Our laboratory maintains a biorisk management system through: - The implementation of a global management approach described in the OHS guide (Guide to occupational health and safety); - The risk monitoring by a person dedicated to the prevention of occupational risks, and a Head of Safety and Biosecurity mission; - The risk assessment at least once a year by updating the single risk assessment document.

## **TOR9: SCIENTIFIC MEETINGS**

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

No

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

No

## **TOR10: NETWORK WITH WOAHP REFERENCE LABORATORIES**

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

Yes

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

No

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

No

26. Did your laboratory collaborate with other WOAHP 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 WOAHP 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	Region(s) of participating WOA H Member Countries
PT0102: Taylorella equigenitalis (non-UK labs) – Isolation by culture and identification by culture and PCR	Participant	19	America Asia and Pacific Europe MiddleEast
PT0102: Taylorella equigenitalis (non-UK labs) – Isolation by culture and identification by culture and PCR	Participant	18	Africa America Asia and Pacific Europe MiddleEast
Assess the ability of the network of French laboratories to carry out the diagnosis of contagious equine metritis by culture method	Organiser	40	Europe

## TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

No