WOAH Reference Laboratory Reports Activities 2022

Activities in 2022
This report has been submitted: 25 avril 2023 15:44

Laboratory Information

| Name of disease (or topic) for which you are a designated WOAH Reference Laboratory: | Contagious equine metritis |
| Address of laboratory: | ANSES, Laboratory for Animal Health, Normandy site - Physiopathology and Epidemiology of Equine Diseases (PhEED) Unit - D675 - 14430 Goustranville - FRANCE |
| Tel.: | +33 2 31 79 22 76 |
| E-mail address: | sandrine.petry@anses.fr |
| Website: |  |
| Name (including Title of Head of Laboratory (Responsible Official)): | Dr Pascal BOIREAU |
| Name (including Title and Position) of WOAH Reference Expert: | Dr Sandrine Petry |
| Which of the following defines your laboratory? Check all that apply: | 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

<table>
<thead>
<tr>
<th>Diagnostic Test</th>
<th>Indicated in WOAH Manual (Yes/No)</th>
<th>Total number of test performed last year</th>
<th>Nationally</th>
<th>Internationally</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IFAT</td>
<td>YES</td>
<td>18</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Real time PCR</td>
<td>YES</td>
<td>18</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TOR2: REFERENCE MATERIAL

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOAH?
   No

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

<table>
<thead>
<tr>
<th>TYPE OF REAGENT AVAILABLE</th>
<th>RELATED DIAGNOSTIC TEST</th>
<th>PRODUCED/ PROVIDE</th>
<th>AMOUNT SUPPLIED NATIONALLY (ML, MG)</th>
<th>AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)</th>
<th>NO. OF RECIPIENT WOAH MEMBER COUNTRIES</th>
<th>COUNTRY OF RECIPIENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-T. equigenitalis serum for slide agglutination test</td>
<td>Culture method</td>
<td>Produced</td>
<td>9 x 1 ml 5 x 0.2 ml</td>
<td>0</td>
<td>0</td>
<td>Europe</td>
</tr>
<tr>
<td>Bacterial strains identified (Taylorella spp.)</td>
<td>Culture method, real time PCR and IFAT</td>
<td>Produced</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

4. Did your laboratory produce vaccines?
   Not applicable

5. Did your laboratory supply vaccines to WOAH 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 WOAH 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 WOAH Standards for the designated pathogen or disease?
   No

TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAH Members?
    No

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

<table>
<thead>
<tr>
<th>NAME OF THE WOAH MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY</th>
<th>PURPOSE</th>
<th>HOW THE ADVICE WAS PROVIDED</th>
</tr>
</thead>
</table>

WOAH Reference Laboratory Reports Activities 2022
FINLAND

DENMARK

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 homemade 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 WOAH 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 WOAH 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*

b) International conferences:

0

c) National conferences:

1


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 WOAH Members?

Yes

a) Technical visit: 0

b) Seminars: 0

c) Hands-on training courses: 1

d) Internships (>1 month): 0

<table>
<thead>
<tr>
<th>Type of technical training provided (a, b, c or d)</th>
<th>Country of origin of the expert(s) provided with training</th>
<th>No. participants from the corresponding country</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEM diagnosis using real time PCR</td>
<td>Latvia</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOR8: QUALITY ASSURANCE**

18. Does your laboratory have a Quality Management System?

Yes

<table>
<thead>
<tr>
<th>Quality management system adopted</th>
<th>Certificate scan (PDF, JPG, PNG format)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CoFrac 1-6764 du 211001.pdf</td>
</tr>
</tbody>
</table>

19. Is your quality management system accredited?

Yes

<table>
<thead>
<tr>
<th>Test for which your laboratory is accredited</th>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isolement et identification de Taylorella equigenitalis (diagnostic bactériologique de la métrite contagieuse équine) selon la norme NF U47-108 / Matrice : prélèvements génitaux d’équidés</td>
<td>Cofrac</td>
</tr>
<tr>
<td>Identification de Taylorella equigenitalis (diagnostic bactériologique de la métrite contagieuse équine) selon la norme NF U 47-108</td>
<td>Cofrac</td>
</tr>
</tbody>
</table>
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 WOAH?

No

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

No

**TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES**

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

Yes

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

No

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

No

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

Yes
<table>
<thead>
<tr>
<th>Purpose for inter-laboratory test comparisons¹</th>
<th>Role of your reference laboratory (organizer/participant)</th>
<th>No. participating laboratories</th>
<th>Region(s) of participating WOAH Member Countries</th>
</tr>
</thead>
</table>
| 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 WOAH?
No

29. Additional comments regarding your report:
No