WOAH Reference Laboratory Reports Activities 2023
Activities in 2023
This report has been submitted : 24 avril 2024 15:51

Laboratory Information

<table>
<thead>
<tr>
<th>Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</th>
<th>Métrite contagieuse équine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of laboratory:</td>
<td>Anses - Laboratoire de Santé Animale, site de Normandie, Unité PhEED - 1180 route de l'église - 14430 Goustranville</td>
</tr>
<tr>
<td>Tel:</td>
<td>0231792276</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:sandrine.petry@anses.fr">sandrine.petry@anses.fr</a></td>
</tr>
</tbody>
</table>

Website:

Name (including Title) of Head of Laboratory (Responsible Official): Dr Stephan Zientara, Directeur du Laboratoire de Santé Animale

Name (including Title and Position) of WOAH Reference Expert: Caractérisation de Taylorella asinigenitalis

Which of the following defines your laboratory? Check all that apply:

Governmental 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>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IFAT</td>
<td>Nationally</td>
<td>7</td>
</tr>
<tr>
<td>Real time PCR</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Culture method</td>
<td>Nationally</td>
<td>1</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>17 x 1 ml 9 x 0.2 ml</td>
<td>0</td>
<td>1</td>
<td>FRANCE</td>
</tr>
</tbody>
</table>

4. Did your laboratory produce vaccines?
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>
<tbody>
<tr>
<td>UNITED KINGDOM</td>
<td>MLST genotyping of five <em>Tayllorella equigenitalis</em> strains</td>
<td>- Confirmation of bacterial species by bacteriology and PCR - MLST genotyping - Analysis report and email exchanges</td>
</tr>
</tbody>
</table>

**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
13. In exercising your activities, have you identified any regulatory research needs* relevant for WOAH?  
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 by the European network of national reference laboratories (n=22 in 2023). 119 CEM cases were reported in 2023 from 11 European countries (182 and 205 CEM cases were respectively reported in 2021 and 2022).

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

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

The epidemiological data obtained from the European network of national reference laboratories are disseminated during a European workshop organized every four years, the next taking place in 2023.

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:

2

b) International conferences:

4
Breuil, M.F. 2023. “Progress in current research on culture method.” 15th European workshop organized by the EURL Equine diseases other than African Horse Sickness (4th European workshop on CEM), Maisons-Alfort, October 12, 2023 (Oral communication).

b) National conferences:

3

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

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAH Members?
No

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>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>NF EN ISO/CEI 17025</td>
<td>(cf. scan)</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 génitalx 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 (identification § 9.2.2) / Matrice : souches bactériennes</td>
<td>CoFrac</td>
</tr>
<tr>
<td>Extraction manuelle par absorption sur colonne et amplification par PCR en temps réel selon la méthode interne ANSES/LSA-INS-1433 / Matrice : prélèvements génitalx</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?
No

24. Do you network (collaborate or share information) with other 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 comparisons</th>
<th>Role of your reference laboratory (organizer/participant)</th>
<th>No. participating laboratories</th>
<th>Name of the Test</th>
<th>WOAH Member Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT0102: Taylorella equigenitalis (non-UK labs) – Isolation by culture and identification by culture and PCR</td>
<td>Participant</td>
<td>19</td>
<td>Culture method and PCR</td>
<td>BELGIUM, CANADA, CHINA (PEOPLE’S REP OF), DENMARK, FRANCE, IRELAND, KOREA (REP OF), PORTUGAL, SPAIN, SWEDEN, THE NETHERLANDS, UNITED ARAB EMIRATES, UNITED KINGDOM, UNITED STATES OF AMERICA,</td>
</tr>
<tr>
<td>PT0102: Taylorella equigenitalis (non-UK labs) – Isolation by culture and identification by culture and PCR</td>
<td>Participant</td>
<td>19</td>
<td>Culture method and PCR</td>
<td>BELGIUM, CANADA, CHILE, CHINA (PEOPLE’S REP OF), DENMARK, FRANCE, GERMANY, IRELAND, ISRAEL, MOROCCO, PORTUGAL, SOUTH AFRICA, SPAIN, SWEDEN, UNITED KINGDOM, UNITED STATES OF AMERICA,</td>
</tr>
<tr>
<td>Assess the ability of the European network of National Reference</td>
<td></td>
<td></td>
<td>Culture method and</td>
<td>AUSTRIA, BELGIUM, CROATIA, CZECH REPUBLIC, DENMARK, ESTONIA, FINLAND,</td>
</tr>
</tbody>
</table>
Assess the ability of the network of French laboratories to carry out the diagnosis of contagious equine metritis by real time PCR

Organiser 25 Real time PCR FRANCE,

TOR12: EXPERT CONSULTANTS

28. Did your laboratory place expert consultants at the disposal of WOAH?
   No

29. Additional comments regarding your report:
   No