WOAH Reference Laboratory Reports Activities 2023
Activities in 2023
This report has been submitted: 11 juin 2024 09:13

Laboratory Information

Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:
Enzootic abortion of ewes

Address of laboratory:
22 rue Pierre et Marie Curie / Maisons-Alfort 94706

Tel:
+33 1 49 77 26 86

E-mail address:
karine.laroucau@anses.fr

Website:

Name (including Title) of Head of Laboratory
(Responsible Official):
Dr Zientara Stéphan

Name (including Title and Position) of WOAH Reference Expert:
Dr Laroucau Karine

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

<table>
<thead>
<tr>
<th>Diagnostic Test</th>
<th>Indicated in WOAH Manual (Yes/No)</th>
<th>Total number of tests performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nationally</td>
<td>Internationally</td>
</tr>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>Yes</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>real-time PCR Chlamydiacea family</td>
<td></td>
<td>109</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>real-time PCR Chlamydia abortus</td>
<td></td>
<td>87</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>real-time PCR Chlamydia pecorum</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>PCR-HRM typing (vaccine vs field strain)</td>
<td></td>
<td>62</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</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 (nonWOAH-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>DNA of Chlamydia reference strains</td>
<td>PCR</td>
<td>Produced</td>
<td>4 x 50 µL</td>
<td>-</td>
<td>1</td>
<td>FRANCE,</td>
</tr>
<tr>
<td>Positive C. abortus serum</td>
<td>ELISA</td>
<td>Produced</td>
<td>12 x 500 µL</td>
<td>-</td>
<td>5</td>
<td>FRANCE,</td>
</tr>
</tbody>
</table>
4. Did your laboratory produce vaccines?
    No
5. Did your laboratory supply vaccines to WOAH 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 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>TURKEY</td>
<td>Use of WOAH methods for diagnosis of Enzootic abortion of ewes, serology</td>
<td>Remote assistance by email</td>
</tr>
<tr>
<td>CROATIA</td>
<td>Maintenance of the real-time PCR accreditation</td>
<td>Remote assistance by email and analyses</td>
</tr>
<tr>
<td>ITALY</td>
<td>Use of WOAH methods for diagnosis of Enzootic abortion of ewes, serology</td>
<td>Remote assistance by email</td>
</tr>
<tr>
<td>BRAZIL</td>
<td>Use of WOAH methods for diagnosis of Enzootic abortion of ewes, serology</td>
<td>Remote assistance by email</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?
    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

b) International conferences:

2

• Björn H, Rachid A, Kaden R, Riedel HM, Spörndly-Nees E, Labbé Sandelin L, Laroucau K. "Transmission mode of Chlamydia psittaci from birds to humans in Sweden: High-resolution typing shows an association between the Mat116 genotype and exposure to wild birds" European meeting on animal chlamydiosis and zoonotic potential (EMAC6), 28-29/11/2023, Edinburg, Ecosse

c) National conferences:

0

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

0

Review of the Chlamydia abortus fact sheet for the American Association of Zoo Veterinarians Infectious Disease Manual

**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 by COFRAC</th>
<th>Accréditation2024.pdf</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO17025</td>
<td>Accreditation by COFRAC</td>
<td>Accréditation2024.pdf</td>
<td></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>real-time PCR Chlamydiaceae</td>
<td>COFRAC</td>
</tr>
</tbody>
</table>

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

Yes

- Risk assessment for Chlamydia agents with regular updates - Appropriate risk control measures (biosafety and biosecurity) are installed - A biological safety officer is appointed - Regular inspection of the laboratories by national authorities

**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?

WOAH Reference Laboratory Reports Activities 2023
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?

Yes

<table>
<thead>
<tr>
<th>PURPOSE OF THE PROFICIENCY TESTS</th>
<th>ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)</th>
<th>NO. PARTICIPANTS</th>
<th>PARTICIPATING WOAH REF. LABS/ ORGANISING WOAH REF. LAB.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment of technical competence of laboratories in detection of Chlamydia abortus specific antibodies, testing of positive sera</td>
<td>participant</td>
<td>-</td>
<td>WOAH ref lab from Germany (FLI) as participant WOAH ref lab from Switzerland (Institute of Veterinary Pathology - Zurich) as participant</td>
</tr>
<tr>
<td>Assessment of technical competence of laboratories in detection of Chlamydia spp. genomic DNA in different matrices by real-time PCR</td>
<td>organizer</td>
<td>16</td>
<td>WOAH ref lab from Germany (FLI) as participant</td>
</tr>
</tbody>
</table>

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?

Yes

<table>
<thead>
<tr>
<th>TITLE OF THE PROJECT OR CONTRACT</th>
<th>SCOPE</th>
<th>NAME(S) OF RELEVANT WOAH REFERENCE LABORATORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison of performance of different C. abortus specific PCR tests</td>
<td>Test comparison</td>
<td>Institute of Veterinary Pathology - Zurich FLI - Germany</td>
</tr>
</tbody>
</table>

**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>Assessment of technical competence of laboratories in detection of Chlamydia spp. genomic DNA in different matrices by real-time PCR</td>
<td>organizer</td>
<td>16</td>
<td>PCR</td>
<td>FRANCE, GERMANY, SWITZERLAND</td>
</tr>
</tbody>
</table>

**TOR12: EXPERT CONSULTANTS**

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

No

29. Additional comments regarding your report:

No