WOAH Reference Laboratory Reports Activities 2022

Activities in 2022
This report has been submitted : 26 avril 2023 11:55

Laboratory Information

| Name of disease (or topic) for which you are a designated WOAH Reference Laboratory: | Bovine spongiform encephalopathy |
| Address of laboratory: | Division of Neurological Sciences, University of Bern, Vetsuisse Faculty, Bremgartenstrasse 109a, CH-3006 Bern Switzerland |
| Tel.: | +41 31 684 2206 |
| E-mail address: | torsten.seuberlich@unibe.ch |
| Website: | https://www.neurologicalsciences.ch/ |
| Name (including Title) of Head of Laboratory (Responsible Official): | Prof. Dr. med. vet. Torsten Seuberlich |
| Name (including Title and Position) of WOAH Reference Expert: | Prof. Dr. med. vet. Torsten Seuberlich |
| Which of the following defines your laboratory? Check all that apply: | 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>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSE rapid tests</td>
<td>Yes</td>
<td>1380</td>
</tr>
</tbody>
</table>

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Torsten Seuberlich - Bovine spongiform encephalopathy - SWITZERLAND

| BSE confirmatory Western Blot | Yes | 20 |

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>BSE positive FFPE blocks</td>
<td>BSE Immunochemistry</td>
<td>Provide</td>
<td>2000 MG</td>
<td></td>
<td>1</td>
<td>America</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>
<tbody>
<tr>
<td>BRAZIL</td>
<td>Request on reference material</td>
<td>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?

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**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:

Participation in active and passive disease surveillance schemes

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:

Active and passive disease surveillance data

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:

4

b) International conferences:

0

c) National conferences:

0

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?
No
19. Is your quality management system accredited?
No
20. Does your laboratory maintain a "biorisk management system" for the pathogen and the disease concerned?
Yes
We have a biorisk guidelines and procedures in place and comply with national regulations.

**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. 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?
Yes

<table>
<thead>
<tr>
<th>PURPOSE OF THE PROFICIENCY TESTS: 1</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>BSE rapid tests</td>
<td>Participant</td>
<td>25</td>
<td>WOAH Ref Lab Italy</td>
</tr>
<tr>
<td>BSE confirmatory tests</td>
<td>Participant</td>
<td>25</td>
<td>WOAH Ref Lab Italy</td>
</tr>
<tr>
<td>BSE discriminatory test</td>
<td>Participant</td>
<td>10</td>
<td>WOAH Ref Lab Italy</td>
</tr>
<tr>
<td>BSE IHC</td>
<td>Participant</td>
<td>20</td>
<td>WOAH Ref Lab Italy</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?
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>
<tbody>
<tr>
<td>BSE Rapid tests</td>
<td>Organizer</td>
<td>6</td>
<td>Europe</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:
   
   Yes

   *Laboratory accreditation is still on hold. We will reapply in 2023. Since then we continue working under ISO17025 conditions.*