WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 5 juin 2023 19:49

Laboratory Information

<table>
<thead>
<tr>
<th>Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</th>
<th>Chronic Wasting Disease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of laboratory:</td>
<td>National Veterinary Services Laboratories, USDA, APHIS, Veterinary Services, 1920 Dayton Ave, Ames, IA 50010</td>
</tr>
<tr>
<td>Tel.:</td>
<td>515 337-7526</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:aaron.d.lehmkuhl@usda.gov">aaron.d.lehmkuhl@usda.gov</a></td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.aphis.usda.gov/nvsl">www.aphis.usda.gov/nvsl</a></td>
</tr>
<tr>
<td>Name (including Title) of Head of Laboratory (Responsible Official):</td>
<td>Dr. Suelee Robbe-Austerman, Director, National Veterinary Services Laboratories</td>
</tr>
<tr>
<td>Name (including Title and Position) of WOAH Reference Expert:</td>
<td>Dr. Aaron Lehmkuhl, Veterinary Medical Officer, Diagnostic Bacteriology and Pathology Laboratory, National Veterinary Services Laboratories</td>
</tr>
<tr>
<td>Which of the following defines your laboratory? Check all that apply:</td>
<td>Governmental</td>
</tr>
</tbody>
</table>

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>Nationally Internationally</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td>Nationally Internationally</td>
</tr>
<tr>
<td>Immunohistochemistry</td>
<td></td>
<td>6904</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?
   No
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?
    No

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?
    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:

1

b) International conferences:

c) National conferences:

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>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 17025:2017</td>
<td>2526-01.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>Immunohistochemistry</td>
<td>American Association for Laboratory Accreditation (A2LA)</td>
</tr>
<tr>
<td>ELISA</td>
<td>A2LA</td>
</tr>
<tr>
<td>Western immunoblot</td>
<td>A2LA</td>
</tr>
</tbody>
</table>

20. Does your laboratory maintain a "biorisk management system" for the pathogen and the disease concerned?
Yes
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>IHC</td>
<td>Participant</td>
<td>2</td>
<td>Canadian WOAH Reference Lab</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>Evaluation of IDEXX HerdChek CWD Ag Test</td>
<td>To validate and verify this kit as a surveillance test for wild elk and white-tailed deer in the US; Canadian lab provided additional samples for evaluation</td>
<td>Canadian WOAH Reference Lab; Dr. Gordon Mitchell</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>Region(s) of participating WOAH Member Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>To approve domestic (US) partners for testing by ELISA</td>
<td>Organizer</td>
<td>3</td>
<td>America</td>
</tr>
</tbody>
</table>
To approve domestic (US) partners for testing by IHC

Organizer 3  America

**TOR12: EXPERT CONSULTANTS**

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

No

29. Additional comments regarding your report:

No