WOAH Reference Laboratory Reports Activities
2022

Activities in 2022
This report has been submitted : 24 avril 2023 16:46

Laboratory Information

<table>
<thead>
<tr>
<th>Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</th>
<th>Contagious Equine Metritis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of laboratory:</td>
<td>1920 Dayton Avenue</td>
</tr>
<tr>
<td>Tel.:</td>
<td>515-337-7551</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:kristina.lantz@usda.gov">kristina.lantz@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-Austermann</td>
</tr>
<tr>
<td>Name (including Title and Position) of WOAH Reference Expert:</td>
<td>Dr. Kristina Lantz</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></td>
</tr>
<tr>
<td>Complement Fixation</td>
<td>Yes</td>
<td>Nationally 2070 Internationally 344</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Identification of the Agent</td>
<td>Yes</td>
<td>Nationally 997 Internationally 46</td>
</tr>
</tbody>
</table>
Kristina Lantz - Contagious equine metritis - undefined

<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>Modified Timoney-Shin Agar</td>
<td>Identification of the Agent</td>
<td>Both</td>
<td>300</td>
<td>0</td>
<td>1</td>
<td>America</td>
</tr>
<tr>
<td>Eugon Agar with 10% Chocolated Horse Blood</td>
<td>Identification of the Agent</td>
<td>Both</td>
<td>300</td>
<td>0</td>
<td>1</td>
<td>America</td>
</tr>
</tbody>
</table>

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

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?
Yes

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

NVSL works with another unit within USDA for distribution of analyzed data.

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:**

NVSL works with another unit within USDA for distribution of analyzed 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:

   2

   b) International conferences:

   4

   c) National conferences:

   1

   *United States Animal Health Association and American Association of Veterinary Laboratory Diagnosticians Annual Meeting: presented as needed.*

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

   3


**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
- Quality management system adopted: Certificate scan (PDF, JPG, PNG format)
- ISO/IEC 17025

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>Bacterial Isolation Taylorella Species</td>
<td>American Association for Laboratory Accreditation (A2LA)</td>
</tr>
<tr>
<td>Biochemical testing Taylorella Species</td>
<td>American Association for Laboratory Accreditation (A2LA)</td>
</tr>
<tr>
<td>Agglutination tests Taylorella species</td>
<td>American Association for Laboratory Accreditation (A2LA)</td>
</tr>
<tr>
<td>Real-time PCR Taylorella species</td>
<td>American Association for Laboratory Accreditation (A2LA)</td>
</tr>
<tr>
<td>16S Sequencing Taylorella species</td>
<td>American Association for Laboratory Accreditation (A2LA)</td>
</tr>
<tr>
<td>Whole Genome Sequencing Taylorella species</td>
<td>American Association for Laboratory Accreditation (A2LA)</td>
</tr>
<tr>
<td>Complement Fixation</td>
<td>American Association for Laboratory Accreditation (A2LA)</td>
</tr>
<tr>
<td>Proficiency Panel: Contagious Equine Metritis</td>
<td>American Association for Laboratory Accreditation (A2LA)</td>
</tr>
</tbody>
</table>

20. Does your laboratory maintain a "biorisk management system" for the pathogen and the disease concerned?
Yes
- Biosafety, Security and Incident Response Plan and Biological Risk Assessments: NVSL-MAN-0018 and NVSL-WI-1207

**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?
Yes
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>Isolation and Identification of the Agent</td>
<td>Participant</td>
<td>1</td>
<td>National Veterinary Services Laboratories / Animal and Plant Health Agency (APHA) quality assurance unit (Vetqas)</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 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>Administered by NVSL and required to conduct official testing in the U.S.; shipped internationally by request</td>
<td>Administered by NVSL and required to conduct official testing in the U.S.</td>
<td>14</td>
<td>America</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asia and Pacific</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

_Some testing and activities have been impacted by the ongoing H5 2.3.4.4 HPAI outbreak affecting wild birds and poultry with sporadic spillovers into mammals; and the ongoing vigilance for SARS-CoV-2 in animals._

Q10: Data for this field is being tallied under question 1 in order to harmonize with other disease reports.

Q17: Our laboratory provides an annual training course for laboratory personnel in the United States. All personnel at laboratories in the US that perform CEM culture must attend this training. The training course was conducted in 2022 with 12 participants. Training is available for international participants on a by request basis. No international request were received in 2022.