WOAH Reference Laboratory Reports Activities

2022

Activities in 2022

This report has been submitted: 24 avril 2023 14:30

Laboratory Information

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

Enzootic Bovine Leukosis

Address of laboratory:

APHA Weybridge. Woodham Lane, New Haw, Addlestone, Surrey. KT15 3NB

Tel.:

+ 44 (0)208 026 9476

E-mail address:

Bhudipa.Choudhury@apha.gov.uk

Website:

apha.gov.uk

Name (including Title) of Head of Laboratory (Responsible Official):

Mr. David Holdsworth

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

Dr Bhudipa Choudhury, Work Group Leader Mammalian Virology.

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 test performed last year</th>
<th>Nationally</th>
<th>Internationally</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA (milk)</td>
<td>Yes</td>
<td>3663</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>ELISA (sera)</td>
<td>Yes</td>
<td>1746</td>
<td></td>
<td>18</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?
   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?
    Yes

<table>
<thead>
<tr>
<th>NAME OF WOAH MEMBER COUNTRY SEEKING ASSISTANCE</th>
<th>DATE</th>
<th>WHICH DIAGNOSTIC TEST USED</th>
<th>NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC SUPPORT</th>
<th>NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY DIAGNOSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORTH MACEDONIA (REP. OF)</td>
<td>2022-11-23</td>
<td>ELISA</td>
<td>18</td>
<td>0</td>
</tr>
<tr>
<td>NORTH MACEDONIA (REP. OF)</td>
<td>2022-11-23</td>
<td>AGIDT</td>
<td>0</td>
<td>18</td>
</tr>
</tbody>
</table>

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>Country</td>
<td>Requested Assistance</td>
<td>Method</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>------------------------------------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>TURKEY</td>
<td>Advice requested regarding proficiency testing schemes.</td>
<td>Via email.</td>
</tr>
<tr>
<td>UNITED STATES OF AMERICA</td>
<td>Advice requested regarding reference sera.</td>
<td>Via email.</td>
</tr>
<tr>
<td>NORTH MACEDONIA (REP. OF)</td>
<td>Diagnostic assistance requested.</td>
<td>Receipt and testing of sera samples.</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

**TOR6: EPIZOOLOGICAL DATA**

14. Did your Laboratory collect epidemiological data relevant to international disease control?

Yes

<table>
<thead>
<tr>
<th>IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sero-surveillance (both sera and milk). Molecular diagnosis of tumours detected at slaughter.</td>
</tr>
</tbody>
</table>

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:

b) International conferences:

c) National conferences:

d) Other (Provide website address or link to appropriate information):
17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAH Members?
Yes
a) Technical visit : 1
b) Seminars : 1
c) Hands-on training courses: 0
d) Internships (>1 month) 0

<table>
<thead>
<tr>
<th>Type of technical training provided (a, b, c or d)</th>
<th>Country of origin of the expert(s) provided with training</th>
<th>No. participants from the corresponding country</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Kazakhstan</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>Kazakhstan</td>
<td>4</td>
</tr>
</tbody>
</table>

**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>UKAS</td>
<td>ISO17025 certificate</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test for which your laboratory is accredited</th>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>UKAS 17025</td>
</tr>
<tr>
<td>AGIDT</td>
<td>UKAS 17025</td>
</tr>
<tr>
<td>PCR</td>
<td>UKAS 17025</td>
</tr>
</tbody>
</table>

19. Is your quality management system accredited?
Yes

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

Risk assessments and standard operating procedures; training of laboratory personnel and annual monitoring of their diagnostic test performance competence; specified laboratories and storage areas (e.g., freezer space) for handling and storage of the pathogen.

**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?
Yes

<table>
<thead>
<tr>
<th>Title of event</th>
<th>Date (mm/yy)</th>
<th>Location</th>
<th>Role (speaker, presenting poster, short communications)</th>
<th>Title of the work presented</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kick-off meeting WOAH</td>
<td>2022-06-29</td>
<td>Kazakhstan</td>
<td>Speaker</td>
<td>Current status of EBL in</td>
</tr>
<tr>
<td>Twinning Project: Poland,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
UK and Kazakhstan.

| Check-point telecon WOAH Twinning project: Poland, UK, Kazakhstan. | 2022-12-14 | Online | Participant | Participated in discussion regarding the project’s progress and reaffirmation of timelines. |

**TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES**

23. Did your laboratory exchange information with other WOAH Reference Laboratories designated for the same pathogen or disease?  
Yes

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?  
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?  
Yes

**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>ELISA - sera</td>
<td>Organiser</td>
<td>39</td>
<td>Africa</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asia and Pacific</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Europe</td>
</tr>
<tr>
<td>ELISA - milk</td>
<td>Organiser</td>
<td>11</td>
<td>Europe</td>
</tr>
<tr>
<td>AGIDT</td>
<td>Organiser</td>
<td>10</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

_Q6 and 7: The diagnostic techniques are established so whilst their performance is continuously monitored limited updates have been_
required i.e., there is only one serotype and despite multiple genotypes there is no impact on molecular diagnosis with existing tests.

Q8 and 9: Not applicable – as BLV is retrovirus (the causative agent of EBL), vaccine design/production is highly unlikely.

Q15: answer "No", as explained in Q14 surveillance was conducted, as BLV was not detected there was accordingly no need for follow up. These data were shared with the fellow Ref Lab in Poland.

Q24: As the Commission is aware there are only two Reference Laboratories for EBL: GB and Poland, accordingly there isn't a "network" as such, rather we routinely maintain informal contact with each other.