OIE Reference Laboratory Reports Activities

Activities in 2019

This report has been submitted: 2020-01-15 17:04:08

| Name of disease (or topic) for which you are a designated OIE Reference Laboratory: | Equine rhinopneumonitis |
| Address of laboratory: | Lanwades Park, Kentford Suffolk CB8 7UU UNITED KINGDOM |
| Tel.: | +44-1638 75.10.00 |
| Fax: | +44-1638 55.56.59 |
| E-mail address: | debra.elton@aht.org.uk |
| Website: | www.aht.org.uk |
| Name (including Title) of Head of Laboratory (Responsible Official): | Dr Richard Newton |
| Name (including Title and Position) of OIE Reference Expert: | Debra Elton Head of Virology |
| Which of the following defines your laboratory? Check all that apply: | Other: Charity |
**ToR 1: To use, promote and disseminate diagnostic methods validated according to OIE Standards**

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 OIE 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>1,817 (Nationally) 798 (Internationally)</td>
</tr>
<tr>
<td>Virus neutralisation</td>
<td>Yes</td>
<td>1 (Nationally) 0 (Internationally)</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>qPCR</td>
<td>Yes</td>
<td>1,268 (Nationally) 96 (Internationally)</td>
</tr>
<tr>
<td>Virus isolation in cells</td>
<td>Yes</td>
<td>485 (Nationally) 1 (Internationally)</td>
</tr>
<tr>
<td>Histology (aborted foetuses)</td>
<td>Yes</td>
<td>15 (Nationally) 0 (Internationally)</td>
</tr>
</tbody>
</table>

**ToR 2: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards.**

To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by the OIE?

No

3. Did your laboratory supply standard reference reagents (non OIE-approved) and/or other diagnostic reagents to OIE Member Countries?

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 OIE Member Countries</th>
<th>Region of recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHV-1 virus DNA</td>
<td>qPCR</td>
<td>Produced</td>
<td>0.2 ml</td>
<td>0</td>
<td>0</td>
<td>Europe</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

4. Did your laboratory produce vaccines?
No

5. Did your laboratory supply vaccines to OIE Member Countries?
No

**ToR 3: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases**

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?
No

7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?
No

**ToR 4: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries**

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?
Yes
### Name of OIE Member Country seeking assistance | Date (month) | No. samples received for provision of diagnostic support | No. samples received for provision of confirmatory diagnoses
---|---|---|---
BELGIUM | February | 1 | 0
CHINA (PEOPLE'S REP. OF) | January, February, March, May, June, August, September, October, December | 773 | 0
FRANCE | January, February, November, December | 51 | 0

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?
Yes

| Name of the OIE Member Country receiving a technical consultancy | Purpose | How the advice was provided |
---|---|---|
KOREA (REP. OF) | Use of vaccines | Face to face

**ToR 5: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations**

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?
No

**ToR 6: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases**

11. Did your Laboratory collect epizootiological 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>
</table>
Location, number of animals affected, clinical signs

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?
Yes
13. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category)

a) Articles published in peer-reviewed journals: 0

b) International conferences: 0

c) National conferences: 0

d) Other: (Provide website address or link to appropriate information) 17

Rapid notifications:
International Collating Centre reports: 8 interim reports issued for EHV-1 respiratory disease in the UK, 1 report for neurological disease in the UK, 4 reports for abortion in the UK. Numerous reports sent for other countries, including USA, France, Germany, Netherlands and Sweden. Sent by email and made publicly available on the AHT website: www.aht.org.uk/disease-surveillance/icc-reports and more recently at https://app.jshiny.com/jdata/icc/iccview/, where there is a newly developed disease reporting system that can be searched by date/equine disease.

TellTale text alerts: 4 separate notifications

Surveillance data:
4 Defra quarterly disease surveillance reports, available at www.aht.org.uk/disease-surveillance/defra-aht-beva-reports

Roundtable discussion: equine herpesviruses 1 and 4. Review distributed to vets in practice and made available online at www.magonlinelibrary.com (https://doi.org/10.12968/ukve.2019.3.S2.1)

ToR 7: To provide scientific and technical training for personnel from OIE Member Countries
To recommend the prescribed and alternative tests or vaccines as OIE Standards

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

No

ToR 8: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned

15. 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>
</table>

16. 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>EHV-1, EHV-4 qPCR</td>
<td>ILAC</td>
</tr>
</tbody>
</table>

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

Yes

(See Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 1.1.4)

**ToR 9: To organise and participate in scientific meetings on behalf of the OIE**

18. Did your laboratory organise scientific meetings on behalf of the OIE?

No

19. Did your laboratory participate in scientific meetings on behalf of the OIE?

No

**ToR 10: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results**

20. Did your laboratory exchange information with other OIE Reference Laboratories designated for the same pathogen or disease?

No

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?

Yes
Purpose of the proficiency tests: 

<table>
<thead>
<tr>
<th>Diagnostic qPCR assay: maintenance of ISO17025 accreditation</th>
<th>Role of your Reference Laboratory (organiser/participant)</th>
<th>No. participants</th>
<th>Participating OIE Ref. Labs/organising OIE Ref. Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>participant</td>
<td>2</td>
<td>Animal Health Trust/Irish Equine Centre</td>
</tr>
</tbody>
</table>

1 validation of a diagnostic protocol: specify the test; quality control of vaccines: specify the vaccine type, etc.

22. Did your laboratory collaborate with other OIE Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

ToR 11: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?

No

Note: See Interlaboratory test comparisons in: Laboratory Proficiency Testing at: http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing see point 1.3

ToR 12: To place expert consultants at the disposal of the OIE

24. Did your laboratory place expert consultants at the disposal of the OIE?

No

25. Additional comments regarding your report: