WOAH Reference Laboratory Reports Activities 2023
Activities in 2023

This report has been submitted: 7 juin 2024 22:41

Laboratory Information

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

Address of laboratory: Av. Governador Leonel de Moura Brizola, 7778, São Bento, Duque de Caxias, RJ, Brazil, CEP 25045-002

Tel: +55 21 3661 9064

E-mail address: pitucoedv@paho.org

Website: www.paho.org/en/panaftosa

Name (including Title) of Head of Laboratory (Responsible Official): Ottorino Cosivi, Veterinarian, Director Pan American Center for Foot and Mouth Disease - PANAFTOSA-PAHO/WHO

Name (including Title and Position) of WOAH Reference Expert: Edviges Maristela Pituco, Veterinarian (PhD), Head of Reference Laboratory of Pan American Center for Foot and Mouth Disease - PANAFTOSA-PAHO/WHO

Which of the following defines your laboratory? Check all that apply: International Organisation/PANAFTOSA-PAHO/WHO

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)

No

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 (non-WOAH-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>Ag Typing ELISA</td>
<td>FMDV/VSV Antigen Typing</td>
<td>produced</td>
<td>non applicable</td>
<td>Quantity enough to test 3675 samples (21 kits)</td>
<td>8</td>
<td>ARGENTINA, BRAZIL, COLOMBIA, ECUADOR, MOROCCO, PARAGUAY, PERU, URUGUAY,</td>
</tr>
<tr>
<td>Reference standard</td>
<td>Molecular biology</td>
<td>produced</td>
<td>non applicable</td>
<td>12</td>
<td>1</td>
<td>MOROCCO,</td>
</tr>
</tbody>
</table>

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?

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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>VENEZUELA</td>
<td>Technical support</td>
<td>Technical support on the field, and at distance</td>
</tr>
<tr>
<td>COLOMBIA</td>
<td>Technical support</td>
<td>Technical support at distance</td>
</tr>
<tr>
<td>GUATEMALA</td>
<td>Technical support</td>
<td>Technical support at distance</td>
</tr>
<tr>
<td>ECUADOR</td>
<td>Technical support</td>
<td>Technical support at distance</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

13. In exercising your activities, have you identified any regulatory research needs* relevant for WOAH?
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:

Using the Interface for Official Veterinary Surveillance (IVVO), an online information system to support official veterinary surveillance (passive and active) of animal diseases at national and regional levels, Panaftosa collects epizootiological data from countries in the region and performs their epidemiological analysis to guide the next actions against FMD in the context of each country’s Action Plan.

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:

PANAFTOSA disseminates its knowledge through a catalog of publications. The main objective of this catalog is the preservation and dissemination of the scientific-technical memory of the Organization, through the collection and organization of the works officially published by PANAFTOSA/SPV and its professionals since its creation in 1951.

PANAFTOSA/SPV-PAHO/WHO selects and makes available in the catalog: documents, publications, scientific articles, events, virtual transmissions, and monographs carried out in the institutional and scientific environment.

It is important to note that some records allow electronic access and are available in full text, the others are with their respective references.

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:

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Article submitted for publication on 17 October 2023.


Article accepted for publication on 2023.

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?

Yes

a) Technical visit : 0

b) Seminars : 0

c) Hands-on training courses: 173

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>C</td>
<td>BRAZIL</td>
<td>60</td>
</tr>
<tr>
<td>C</td>
<td>BRAZIL</td>
<td>50</td>
</tr>
<tr>
<td>C</td>
<td>ECUADOR</td>
<td>60</td>
</tr>
<tr>
<td>C</td>
<td>GUYANA</td>
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>URUGUAY</td>
<td>1</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>
<th>Accreditation body</th>
</tr>
</thead>
</table>

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited

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

The laboratory follows procedures to identify, map, control, monitor and mitigate possible risks that may affect its activities. Risks are identified by area and classified in relation to priority and impact, and treated according to the classification in which they were placed.

**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?
Yes

24. Do you network (collaborate or share information) with other 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</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>FMDV and VSV virus structural proteins</td>
<td>organiser</td>
<td>7</td>
<td>APHIS (USA), SENASA (Argentina), NCFAD (Canada)</td>
</tr>
<tr>
<td>FMDV and VSV molecular biology tests</td>
<td>organiser</td>
<td>13</td>
<td>SENASA (Argentina), NCFAD (Canada)</td>
</tr>
<tr>
<td>FMDV and VSV antigen detection tests</td>
<td>organiser</td>
<td>16</td>
<td>APHIS (USA), SENASA (Argentina), NCFAD (Canada)</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?
No

**TOR12: EXPERT CONSULTANTS**

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

<table>
<thead>
<tr>
<th>KIND OF CONSULTANCY</th>
<th>Location</th>
<th>SUBJECT (FACULTATIVE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advisor</td>
<td>Paris</td>
<td>-</td>
</tr>
</tbody>
</table>

29. Additional comments regarding your report:
No