

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 (nonWOAH-approved) and/or other diagnostic reagents to WOAH Members?

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOAH MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
Ag Typing ELISA	FMDV/VSV Antigen Typing	produced	non applicable	Quantity enough to test 3675 samples (21 kits)	8	ARGENTINA, BRAZIL, COLOMBIA, ECUADOR, MOROCCO, PARAGUAY, PERU, URUGUAY,
Reference standard	Molecular biology	produced	non applicable	12	1	MOROCCO,

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?

Yes

NAME OF THE NEW TEST OR DIAGNOSTIC METHOD DEVELOPED	DESCRIPTION AND REFERENCES (PUBLICATION, WEBSITE, ETC.)
ELISA - LPBE	It is under development.

7. Did your laboratory validate diagnostic methods according to WOAHS 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 WOAHS Standards for the designated pathogen or disease?

No

TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAHS Members?

No

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAHS Member?

Yes

NAME OF THE WOAHS MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
VENEZUELA	Technical support	Technical support on the field, and at distance
COLOMBIA	Technical support	Technical support at distance
GUATEMALA	Technical support	Technical support at distance
ECUADOR	Technical support	Technical support at distance

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAHS Members other than the own?

No

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

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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Lima DM, Chaparro DCL, Mancera VMM, Merchán JAV, Roman ACK, Buzanovsky LP, Cosivi O and Sanchez-Vazquez MJ (2024) Livestock and environmental characterization of Colombian municipalities: study of vesicular stomatitis. *Front. Vet. Sci.* 11:1323420. doi: 10.3389/fvets.2024.1323420

Article submitted for publication on 17 October 2023.

Álvarez, A.M., Alcazar, W., Buzanovsky, L.P., Lima, D.M., Vásquez, M.J.S., Fonseca Júnior, A., Almeida, I.G., Pituco, E.M., Allende, R.M. Molecular analysis and environmental description of Vesicular Stomatitis New Jersey viruses isolated in Venezuela from 2009 to 2017, *Arquivos do Instituto Biológico, Versão impressa ISSN: 0020-3653 Versão on-line ISSN: 1808-1657.*

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 WOAHA Members?

Yes

a) Technical visit : 0

b) Seminars : 0

c) Hands-on training courses: 173

d) Internships (>1 month) 0

Type of technical training provided (a, b, c or d)	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
C	BRAZIL	60
C	BRAZIL	50
C	ECUADOR	60
C	GUYANA	2
C	URUGUAY	1

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ABNT NBR ISO/IEC 17025:2017	Certificado_CRL 1309 PANAFTOSA 28-06- 21.pdf	CERTIFICADO ACREDITAÇÃO_CRL 1309 PANAFTOSA 28-06-21.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body

Virus neutralization test	CGCRE/INMETRO - Brazil
Typing ELISA	CGCRE/INMETRO - Brazil
RT-PCR	CGCRE/INMETRO - Brazil

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 WOAHP?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAHP?

No

TOR10: NETWORK WITH WOAHP REFERENCE LABORATORIES

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

Yes

24. Do you network (collaborate or share information) with other WOAHP Reference Laboratories designated for the same pathogen?

No

25. Did you organise or participate in inter-laboratory proficiency tests with WOAHP Reference Laboratories designated for the same pathogen?

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOAHP REF. LABS/ ORGANISING WOAHP REF. LAB.
FMDV and VSV virus structural proteins	organiser	7	APHIS (USA), SENASA (Argentina), NCFAD (Canada)
FMDV and VSV molecular biology tests	organiser	13	SENASA (Argentina), NCFAD (Canada)
FMDV and VSV antigen detection tests	organiser	16	APHIS (USA), SENASA (Argentina), NCFAD (Canada)

26. Did your laboratory collaborate with other WOAHP 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 WOAHP Reference Laboratories for the same pathogen?

No

TOR12: EXPERT CONSULTANTS

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

Yes

KIND OF CONSULTANCY	Location	SUBJECT (FACULTATIVE)
Advisor	Paris	-

29. Additional comments regarding your report:

No