

WOAH Reference Laboratory Reports Activities 2023

Activities in 2023

This report has been submitted : 12 juillet 2024 05:45

Laboratory Information

Name of disease (or topic) for which you are a designated WOAHO Reference Laboratory:	Anaplasmosis
Address of laboratory:	Carretera Cuernavaca Cuautla #8534 Colonia Progreso CB 62550, Jiutepec Morelos
Tel.:	+52 777 3190202
E-mail address:	joel.mosqueda@uaq.mx
Website:	https://www.gob.mx/senasica/acciones-y-programas/centro-nacional-de-servicios-de-constatacion-en-salud-animal-cenapa
Name (including Title) of Head of Laboratory (Responsible Official):	Rosario Quezada Delgado. Director
Name (including Title and Position) of WOAHO Reference Expert:	Juan Mosqueda, MVZ, PhD. WOAHO designated experto for Anaplasmosis
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

Diagnostic Test	Indicated in WOAHO Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
ELISA		78	0
Direct diagnostic tests			
Microscopy analysis of Giemsa-stained Blood smear		418	0

TOR2: REFERENCE MATERIAL

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

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOAHO Members?

No

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAHO 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 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
FRANCE - FRENCH GUIANA	Requests of diagnostics for antibody identification in bovine serum samples.	We recommended the tests we used in our laboratory
ECUADOR	They wanted to start an evaluation process of laboratories from different provinces in Ecuador and they needed to do blind samples	We were willing to collaborate with them

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:

We collect the information of the results that we analyzed

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:

0

b) International conferences:

0

c) National conferences:

1

DETECCIÓN MOLECULAR DE BABESIA BIGEMINA, BABESIA BOVIS Y ANAPLASMA MARGINALE EN BÚFALOS DE AGUA (BUBALUS BUBALIS) EN UN RANCHO DE TABASCO. Congreso de ciencias veterinarias 2023.

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 WOA H 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-9001	PDF	1 - Renovación CENAPA. ISO 9001.pdf
ISO-17025	PDF	3 - 20LP3460_SA_Anexo Técnico 17025.pdf
ISO-17043	PDF	5 - Anexo técnico 20EA0035 - 17043.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
accredited as a Proficiency Testing/Test Provider under the NMX-EC-17043-IMNC-2010 ISO/EC 17043:2010 standard. General requirements for aptitude tests for the Testing Laboratories Area	Mexican Accreditation Entity
Accredited as a Testing Laboratory In accordance with the requirements established in the NMX-EC-17025-IMNC- standard 2018 (ISO/IEC 17025:2017), for the evaluation activities of the conformity in the conformity assessment scheme (Programme evaluation) of: Agricultural Health	Mexican Accreditation Entity

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

Yes

The Laboratory follows the indications of the Quality management system guidances.

TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOA H?

Yes

NATIONAL/ INTERNATIONAL	TITLE OF EVENT	CO-ORGANISER	DATE (MM/YY)	LOCATION	NO. PARTICIPANTS
International	International Symposium "Ticks, a vector of veterinary interest and innovation for its control	Autonomous University of Queretaro	2023-10-18	Queretaro, Mexico	70

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

Yes

Title of event	Date	Location	Role (speaker, presenting poster,	Title of the work
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	(mm/yy)		short communications)	presented
USDA-ARS Grand Challenge Workshop: Integrated Approaches for the Control of Ticks and Tick-borne Diseases of Livestock	2023-03-08	McAllen, Texas, USA	Speaker	Research experiences on ticks and tick-borne pathogens in the Immunology and Vaccines Research Group of the Autonomous University of Queretaro in Mexico
29th molecular biology workshop and XIX Parasite Molecular Research Forum	2023-08-03	Nagasaki, Japan	Speaker	Molecular and immunoinformatics strategies for the development of vaccines against bovine babesiosis and the cattle tick Rhipicephalus microplus
UNAM FMVZ Series Seminars	2023-03-14	Mexico City, Mexico	Speaker	Quimeras multiepitópicas: una plataforma para el desarrollo de vacunas y métodos de detección contra patógenos causantes de enfermedad
Invited special speaker	2023-08-26	Nagpur, Maharashtra, India	Speaker	Control of ticks and tick-borne pathogens and research opportunities

TOR10: NETWORK WITH WOAHP REFERENCE LABORATORIES

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

Not applicable (only WOAHP Reference Laboratory designated for the disease)

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

Not applicable (Only WOAHP Reference Laboratory designated for the disease)

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

Not applicable (Only WOAHP Reference Laboratory designated for the disease)

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?

Not applicable (Only WOAHP Reference Laboratory designated for the disease)

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?

Yes

Purpose for inter-laboratory test comparisons1	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the Test	WOAHP Member Countries
Regional interlaboratory test by simultaneous comparison for the detection of parasitic phases of Anaplasma marginale, Babesia bigemina and Babesia bovis in bovine blood by the direct smear method	Organizer	4	Microscopy analysis of Giemsa-stained blood smears	EL SALVADOR, MEXICO, NICARAGUA,

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

Yes

We are the only reference Laboratory for anaplasmosis. Importing cattle serum and blood is extremely complicated due to national security.