

# WOAH Reference Laboratory Reports Activities 2024

This report has been submitted: 26 janvier 2025 23:27

## LABORATORY INFORMATION

<b>*Name of disease (or topic) for which you are a designated WOAHO Reference Laboratory:</b>	Anaplasmosis
<b>*Address of laboratory:</b>	Carretera Cuernavaca Cuautla #8534 Colonia Progreso CB 62550, Jiutepec Morelos
<b>*Tel:</b>	+52-777 3.19.02.02
<b>*E-mail address:</b>	joel.mosqueda@uaq.mx
<b>Website:</b>	<a href="https://www.gob.mx/senasica/acciones-y-programas/centro-nacional-de-servicios-de-constatacion-en-salud-animal-cenapa">https://www.gob.mx/senasica/acciones-y-programas/centro-nacional-de-servicios-de-constatacion-en-salud-animal-cenapa</a>
<b>*Name (including Title) of Head of Laboratory (Responsible Official):</b>	Rosario Quezada Delgado. Director
<b>*Name (including Title and Position) of WOAHO Reference Expert:</b>	Juan Mosqueda, MVZ, PhD. WOAHO representative
<b>*Which of the following defines your laboratory? Check all that apply:</b>	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	
Indirect diagnostic tests		Nationally	Internationally
Determination of antibodies against <i>Anaplasma marginale</i> in sera, by the ELISA serodiagnostic	Yes	78	0

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test.			
Direct diagnostic tests		Nationally	Internationally
DIRECT SMEAR TEST FOR DIAGNOSIS OF HEMOPARASITES IN GIEMSA-STAINED BLOOD	Yes	418	0

## TOR2: REFERENCE MATERIAL

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

No

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

No

4. Did your laboratory produce vaccines?

Not applicable

5. Did your laboratory supply vaccines to WOAHA 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 WOAHA 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 WOAHA Standards for the designated pathogen or disease?

No

## TOR4: DIAGNOSTIC TESTING FACILITIES

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

No

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

Yes

Name of the WOAHA Member Country receiving a technical consultancy	Purpose	How the advice was provided
FRANCE - FRENCH GUIANA	Provided advice on molecular detection of Anaplasma marginale	By email.

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

No

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

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 analyze sera and blood samples for the presence of *Anaplasma marginale*

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:

We participate in seminars and meetings nationally and internationally,

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:

3

1. The LINVAS research program on the control of ticks and the diseases they transmit. International Symposium on Ticks and Tick-Transmitted diseases. Queretaro, Mexico. 16-18 de octubre, 2024.

2. Desarrollo de vacunas contra enfermedades de importancia veterinaria empleando la vacunología inversa. Universidad de Los Llanos, Colombia. 8 de noviembre del 2024.

3. Quantum Vaccinomics: a Platform for vaccine development against pathogens of human and veterinary importance. Vietnam National University. HCMC, November 8th, 2024.

c) National conferences:

3

1. Desarrollo de vacunas de nueva generación y métodos serológicos de diagnóstico. SENASA, Tecamac, Edo de Mexico. 15 de Marzo de 2024.

2. Quantum vaccinomics: Una Plataforma para el desarrollo de vacunas contra patógenos de importancia en medicina humana y veterinaria. Segundo simposio de Inmunología, Inmunobajío 2024. Morelia, Michoacán, 21-22 de noviembre, 2024.

3. Desarrollo de vacunas contra enfermedades de importancia veterinaria empleando la vacunología inversa. X Curso de actualización en la campaña nacional para la prevención y control de la Rabia en bovinos y especies ganaderas, y la campaña nacional para el control de las Garrapata Boophilus. Guanajuato, Mexico 3-5 de diciembre de 2024.

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 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	Renovación Cenapa ISO 9001. PDF	1 - Renovación CENAPA. ISO 9001.pdf
ISO-7025	Certificado ISO7025Lab ensayos.PDF	2 - certificado ISO17025 LAB ENSAYOS.pdf
ISO-17043	Certificacdo ISO 17042 PEA.pdf	4 Certificado ISO17043 PEA.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Certificación del Sistema de Calidad por la Norma NMX-EC-17043-IMNC-2010	Proveedor de ensayos de aptitud. SIGE
Acreditacion del Sistema de Calidad por la norma NMX-EC-17025-IMNC	Entidad Mexicana de Acreditación. EMA

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

Yes

We maintain a system for toxic residues and biological residues as specified in our QCS.

## TOR9: SCIENTIFIC MEETINGS

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

Yes

National/ International	Title of event	Co-organiser	Date	location	No. Participants
	International Symposium " Ticks	Autonomous	2024-10-16	Queretaro, Qro,	

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International	and the diseases they transmit"	University of Queretaro		Mexico	200
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22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOA?

No

## TOR10: NETWORK WITH WOA REFERENCE LABORATORIES

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

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

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

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

25. Did you organise or participate in inter-laboratory proficiency tests with WOA Reference Laboratories designated for the same pathogen during the past 2 years?

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

*We are the only reference laboratory for anaplasmosis*

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

Not applicable (only WOA 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 WOA Reference Laboratories for the same pathogen during the past 2 years?

No

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## TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

Yes

*We need more reference laboratories to conduct more activities related to this disease.*