

WOAH Reference Laboratory Reports Activities 2023

Activities in 2023

This report has been submitted : 5 juin 2024 19:37

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Brucellosis
Address of laboratory:	Talachuano 1660, (CP 1640), Martinez, Buenos Aires, Argentina
Tel.:	+54-11 48 74 67 31 (Ext. 2631 or 2730)
E-mail address:	nicolaana@hotmail.com
Website:	www.senasa.gob.ar
Name (including Title) of Head of Laboratory (Responsible Official):	Vet., Msc Rodrigo Balzano
Name (including Title and Position) of WOA Reference Expert:	Ana Maria Nicola
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 WOA Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
BBAT		8433	2186
ELISA (cELISA/iELISA)		333	128
FPA		501	0
CFT		243	0
SAT		21	0
Direct diagnostic tests			
Cultivo bacteriológico		46	0
PCR		18	0

TOR2: REFERENCE MATERIAL

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

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TESTING	PRODUCED/ IMPORTED	QUANTITY SUPPLIED NATIONWIDE (ML, MG)	QUANTITY SUPPLIED AT INTERNATIONAL LEVEL (ML, MG)	NAME OF BENEFICIARY WOA MEMBER COUNTRIES
(OIEISS International anti-Brucella abortus Serum	CFT, RBT, SAT, MRT, FPA	IMPORTADO	< 10mL		ARGENTINA,

OIE ELISA Standard Sera strong positive (OIEELISASPSS)	ELISA	IMPORTADO	< 10mL		ARGENTINA,
OIE ELISA Standard Sera weak positive (OIEELISAWPSS)	ELISA	IMPORTADO	< 10mL		ARGENTINA,
OIE ELISA Standard Sera negative (OIEELISANSS)	ELISA	IMPORTADO	< 10mL		ARGENTINA,
International Standard for antiBrucella melitensis Serum ISaBmS	RBT, CFT, ELISA , FPA	IMPORTADO	< 10mL		ARGENTINA,

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

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOA MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
Suero control Positivo B. canis	RSAT	PRODUCIDO	126 ml	126 ml	2	ARGENTINA, PARAGUAY,
Suero estándar nacional (secundario) positivo, B. abortus	BBAT, CFT, ELISA , SAT, FPA	PRODUCIDO	10 ml	5 ml	2	ARGENTINA, PARAGUAY,
Suero estándar nacional Negativo, B. abortus	ELISA , SAT, FPA	PRODUCIDO	10 ml	5 ml	2	ARGENTINA, PARAGUAY,
Antígeno BPAT	BPAT	PRODUCIDO	340 ml	10 ml	2	ARGENTINA, PARAGUAY,
Antígeno RBT	RBT	PRODUCIDO	440 ml	10 ml	2	ARGENTINA, PARAGUAY,
Antígeno MRT	MRT	PRODUCIDO	460 ml	0	1	ARGENTINA,

4. Did your laboratory produce vaccines?

No

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

Yes

NAME OF THE NEW VACCINE DEVELOPED	DESCRIPTION AND REFERENCES (PUBLICATION, WEBSITE, ETC.)
O5-4 BM Delta-pgm, a superior vaccine for the control of brucellosis in small ruminants	https://brucellosis2022.izs.it/wp-content/uploads/2022/09/Conference_Proceedings_Brucellosis2022.pdf O5-4 BM Delta-pgm, a superior vaccine for the control of brucellosis in small ruminants Diego J. Comerci, Cecilia Czibener, Diego A. Rey Serantes, Elena Sebastian, Laura A. Bruno, Maria Cristina Franco, Ana Maria Nicola, Karina Pasquevich, Juliana Cassataro, Juan E. Ugalde

TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

NAME OF WOA MEMBER	WHICH DIAGNOSTIC TEST USED	NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC	NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY
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COUNTRY SEEKING ASSISTANCE	DATE		SUPPORT	DIAGNOSES
PARAGUAY	2023-04-10	CFT	0	10
ECUADOR	2023-09-15	CFT	0	2

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

Yes

NAME OF THE WOAAH MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
PARAGUAY	Estandarización Ensayos	on line
ECUADOR	Estandarización Ensayos	on line

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

No

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

Yes

Research need : 1

Please type the Research need: Definir y estandarizar protocolo de ensayos de eficacia para vacunas de Brucelosis

Relevance for WOAAH Disease Control, Standard Setting,

Relevance for the Codes or Manual Manual,

Field Vaccines,

Animal Category Terrestrial,

Disease:

Brucellosis (Brucella abortus, Brucella melitensis)

Kind of disease (Zoonosis, Transboundary diseases) Zoonosis,

If any, please specify relevance for Codes or Manual, chapter and title

(e.g. Terrestrial Manual Chapter 2.3.5 - Minimum requirements for aseptic production in vaccine manufacture)

Answer:

Notes:

Answer:

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:

2186 Análisis de importación y exportación

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:

Pruebas de vigilancia epidemiológica en remates ferias y frigoríficos, Certificación de Establecimientos libres.
La información es enviada al Programa de control y erradicación de la Brucellosis.

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:

1

La protección contra el aborto por la primo-vacunación antibrucélica caprina, ante el desafío de la revacunación, In Vet 2023, 25 (1): 1-1

b) International conferences:

0

c) National conferences:

0

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?

Yes

a) Technical visit : 1

b) Seminars : 0

c) Hands-on training courses: 2

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
A	ECUADOR	3
B	ARGENTINA	5

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO/IEC 17025	PDF	Certificado_de_acreditación.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
BPAT	OAA (Organismo Argentino de acreditación)
RBT	OAA (Organismo Argentino de acreditación)
SAT/2ME	OAA (Organismo Argentino de acreditación)
FPA	OAA (Organismo Argentino de acreditación)
ELISA	OAA (Organismo Argentino de acreditación)

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

Yes

PCG DIL RC N° 020 "Gestión de riesgos" PCP 2-DBS N°008 Determinación de Análisis de Riesgo

TOR9: SCIENTIFIC MEETINGS

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

No

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

No

TOR10: NETWORK WITH WOA?H REFERENCE LABORATORIES

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

Yes

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

No

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

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOA?H REF. LABS/ ORGANISING WOA?H REF. LAB.
Accreditación, competencia de Laboratorios oficiales de los SV diagnóstica RBT CFT,ELISA ,	PARTICIPANTE	22	Istituto Zooprofilattico Sperimentaledell'Abruzzo e del Molise 'G. Caporale' Via Campo Boario 64100 Teramo
Accreditación, competencia de Laboratorios oficiales de los SV diagnóstica BBAT, CFT,ELISA , FPA , SAT	PARTICIPANTE	10	NVSL-USDA

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

No

TOR12: EXPERT CONSULTANTS

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

Yes

KIND OF CONSULTANCY	Location	SUBJECT (FACULTATIVE)
Taller: Fortaleciendo las redes de vigilancia de fauna silvestre- OMSA - Americas	BRASILIA, BRASIL	Disertante
Evaluación PVS Laboratorios Sustentables	Georgetown, Guyana	Experta Técnica

29. Additional comments regarding your report:

Yes

Brucella abortus S 19: 160 lotes (3.096.869 dosis)

Control de calidad antígenos y kits diagnósticos: 27 series (1. 745.146 determinaciones)

Preparación de paneles de sueros para interlaboratorios, Red de Laboratorios SENASA-Argentina: 96 paneles por 20 sueros.

Auditorías Red de Laboratorios Brucellosis, SENASA-Argentina: 26 auditorías