

OIE Reference Laboratory Reports Activities

Activities in 2019

This report has been submitted : 2020-01-15 02:11:43

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Brucellosis (Brucella abortus, B. melitensis, B. suis)
Address of laboratory:	Talcahuano 1660 Código Postal 1640 Martinez Buenos Aires ARGENTINA
Tel.:	+54-11 48 74 67 31 (
Fax:	
E-mail address:	anicola@senasa.gob.ar
Website:	www.senasa.gob.ar
Name (including Title) of Head of Laboratory (Responsible Official):	Ana María Nicola Directora Laboratorio Animal Servicio Nacional de Sanidad y Calidad Agroalimentaria INTA: Dra Elisa Carrillo Directora del Centro de Investigaciones en Ciencias Veterinarias Luis Samartino, MV, McS, Ph D Referente zoonosis bacterianas
Name (including Title and Position) of OIE Reference Expert:	Ana María Nicola, M.V.,MSc. Directora Laboratorio Animal Servicio Nacional de Sanidad y Calidad Agroalimentaria
Which of the following defines your laboratory? Check all that apply:	Governmental

ToR 1: To use, promote and disseminate diagnostic methods validated according to OIE Standards

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 OIE Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
BBAT	Si	19155	483
ELISA (cELISA/iELISA)	Si	75	
FPA	Si	980	
CFT	Si	2330	
SAT	Si	30	
Direct diagnostic tests			
Cultivo bacteriológico	Si	15	
PCR	Si	52	
Control oficial de vacunas	Si	273 lotes (10169701 dosis)	
Control oficial de antígenos	Si	24 lotes (5109923 reacciones)	
Control oficial de kits	Si	11 lotes (58656 determinaciones)	

**ToR 2: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards.
To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.**

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

Yes

NOTE: Currently, there are 22 laboratories that produce Standard Reference Reagents officially recognised by the OIE for 19 diseases/pathogens. Please click the following link to the list of OIE-approved International Standard Sera: <http://www.oie.int/en/our-scientific-expertise/veterinary-products/reference-reagents/>. If the reagent is not listed on this page, it is NOT considered OIE-approved. The next two questions allow you to indicate non-OIE-approved diagnostic reagents.

Disease	Test	Available from
Brucella abortus	Complement fixation; Agglutination; Buffered Brucella antigen tests; Fluorescence polarisation assay; Indirect and Competitive enzyme-linked immunosorbent assay	Dr Adrian Whatmore (as above)
Bovine brucellosis	Indirect and Competitive enzyme-linked immunosorbent assay; Complement fixation; Agglutination; Buffered Brucella antigen tests; Fluorescence polarisation assay	Dr Adrian Whatmore Animal and Plant Health Agency, Weybridge, New Haw, Addlestone, Surrey KT15 3NB, United Kingdom Tel: (44-1932) 35.76.10 Fax: (44-1932) 35.72.16 adrian.whatmore@apha.gsi.gov.uk
Ovine and caprine brucellosis (anti-Brucella melitensis [ISaBmS])	Indirect and Competitive enzyme-linked immunosorbent assay; Fluorescence polarisation assay; Buffered Brucella antigen tests	Dr Adrian Whatmore (as above)

Type of reagent available	Related diagnostic test	Produced/ Supply imported	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	Name of recipient OIE Member Countries
(OIEISS International anti-Brucella abortus Serum	CFT, RBT, SAT, MRT, FPA	Importado	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	GUATEMALA
OIE ELISA Standard Sera strong positive (OIEELISASPSS)	ELISA	Importado	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	ARGENTINA
OIE ELISA Standard Sera weak positive (OIEELISAWPSS)	ELISA	Importado	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	ARGENTINA
OIE ELISA Standard Sera negative (OIEELISANSS)	ELISA	Importado	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	ARGENTINA
International Standard for antiBrucella melitensis Serum ISaBmS	RBT, CFT, ELISA, FPA	Importado	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	<input checked="" type="radio"/> <10mL <input type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	ARGENTINA

3. Did your laboratory supply standard reference reagents (non OIE-approved) and/or other diagnostic reagents to OIE Member Countries?

Yes

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient OIE Member Countries	Region of recipients
Suero estándar nacional (secundario) positivo, B. abortus	BBAT, CFT. ELISA, SAT, FPA	Producido/ suministrado	15	10	3	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
Suero estándar nacional Negativo, B. abortus	BBAT, CFT. ELISA, SAT, FPA	Producido/ suministrado	15	10	3	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
Antígeno BPAT	BBAT	Producido 1500 ml	250	50	3	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
Antígeno RBT	RBT	Producido 650 ml	100	50	3	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
Antígeno MRT	MRT	Producido 1550 ml	200	0	1	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
Antígeno SAT	SAT	Producido 600 ml	150	50	3	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East

Antigeno RSAT	RSAT	Producido 200 ml	25	6	3	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
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4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to OIE Member Countries?

No

ToR 3: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?

No

7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?

No

ToR 4: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?

Yes

Name of OIE Member Country seeking assistance	Date (month)	No. samples received for provision of diagnostic support	No. samples received for provision of confirmatory diagnoses
DOMINICAN (REP.)	marzo	0	6
PARAGUAY	julio	0	14

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

Yes

Name of the OIE Member Country receiving a technical consultancy	Purpose	How the advice was provided
GUATEMALA	Interpretación diagnóstica. curso Practico Fijación de complemento Control de Brucelosis Bovina, (objetivo, interpretación de resultados manejo de rodeos infectados. validación de ensayos. estandarización de reactivos	Presencial y a distancia
EL SALVADOR	Interpretación diagnóstica. curso Practico Fijación de complemento Control de Brucelosis Bovina, (objetivo, interpretación de resultados manejo de rodeos infectados. validación de ensayos. estandarización de reactivos	Presencial y a distancia
BOLIVIA	Interpretación diagnóstica. curso Practico Fijación de complemento Control de Brucelosis Bovina, (objetivo, interpretación de resultados manejo de rodeos infectados. validación de ensayos. estandarización de reactivos	Presencial y a distancia
ECUADOR	Interpretación diagnóstica	a distancia
COLOMBIA	Asesoramiento en brotes de brucelosis en ganado bovino y diagnóstico de la enfermedad.	Presencial
MEXICO	Asesoramiento en brotes de brucelosis en ganado bovino	Presencial
PARAGUAY	Asesoramiento en diagnóstico y prevención en ganado bovino y en el diagnóstico serológico de la enfermedad	Presencial
URUGUAY	URUGUAY Asesoramiento en control de la brucelosis bovina Presencial con visitas a establecimientos infectados	Presencial con visitas a establecimientos infectados
PANAMA	Asesoramiento en el programa nacional de control de la brucelosis bovina	Presencial, conferencias, seminarios, capacitación, visita a establecimientos infectados

ToR 5: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?

No

ToR 6: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases

11. Did your Laboratory collect epizootiological data relevant to international disease control?

Yes

If the answer is yes, please provide details of the data collected:
Análisis de importación y exportación

12. Did your laboratory disseminate epizootiological 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

13. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category)

a) Articles published in peer-reviewed journals: 0

b) International conferences: 1

Arregui, M., Samartino, L., Martino P. "Brucellosis in Buffaloes: Serologic Diagnostic". International Symposium of World Association of Veterinary Laboratory Diagnosticians. 19 - 22 junio 2019. Chiang Mai, Thailand

c) National conferences: 3

Sebastian Elena -Brucelosis y una salud, Facultad de Ciencias Veterinarias, Universidad del Nordeste, Corrientes (mayo 2019).

Sebastian Elena-Ciclos de charlas una salud: Brucelosis Bovina: Jornada de Actualización, Facultad de Ciencias Veterinarias, Universidad de Buenos Aires (nov. 2019).

Arregui, M., Samartino, L. "Genotipificación De Brucella melitensis Mediante MLVA-16 a Partir de Tejidos Caprinos y Ovinos Obtenidos de la Provincia de San Luis". XV Congreso Argentino de Microbiología. 25-27 de septiembre 2019. Buenos Aires, Argentina

d) Other:

(Provide website address or link to appropriate information) 1

www.senasa.gob.ar

ToR 7: To provide scientific and technical training for personnel from OIE Member

Countries**To recommend the prescribed and alternative tests or vaccines as OIE Standards**

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

Yes

- a) Technical visits: 4
- b) Seminars: 1
- c) Hands-on training courses: 1
- d) Internships (>1 month): 1

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	Paraguay, Guatemala, El Salvador, Colombia, Mexico, Panama	1,2,1,16, 14, 25
c	Guatemala, El Salvador, Panama, Colombia,	2,1, 25,36
d	Mozambique	1
b	Uruguay	22

ToR 8: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned

15. Does your laboratory have a Quality Management System?

Yes

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

16. 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)

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

Yes

(See *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals*, Chapter 1.1.4)

ToR 9: To organise and participate in scientific meetings on behalf of the OIE

18. Did your laboratory organise scientific meetings on behalf of the OIE?

No

19. Did your laboratory participate in scientific meetings on behalf of the OIE?

Yes

Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
13º Seminario de la OIE se celebrará en asociación con el 19º Simposio Internacional de la Asociación Mundial de Diagnósticos de Laboratorio Veterinario (WAVLD)	Junio	Thailandia	orador	Informe Comisión de Estandares Biológicos
Reunión de Think Tank sobre el desarrollo de un sistema de codificación de datos de salud animal y su integración en WAHIS	Noviembre	Paris	orador	-

ToR 10: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results

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

Yes

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?

Yes

Purpose of the proficiency tests: ¹	Role of your Reference Laboratory (organiser/ participant)	No. participants	Participating OIE Ref. Labs/ organising OIE Ref. Lab.
Acreditación, competencia diagnóstica RBT, CFT, milk IELISA	participante	73	Ist. Zooprofilactico, Caporale, Teramo, Italia

¹ validation of a diagnostic protocol: specify the test; quality control of vaccines: specify the vaccine type, etc.

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

No

ToR 11: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?

Yes

Note: See Interlaboratory test comparisons in: Laboratory Proficiency Testing at: <http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing> see point 1.3

Purpose for inter-laboratory test comparisons ¹	No. participating laboratories	Region(s) of participating OIE Member Countries
Organización de interlaboratorios para Red de Laboratorios de diagnóstico de Brucelosis en Argentina para demostrar competencia técnica	105	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East

ToR 12: To place expert consultants at the disposal of the OIE

24. Did your laboratory place expert consultants at the disposal of the OIE?

Yes

Kind of consultancy	Location	Subject (facultative)
Reunión de la Comisión de Estandares Biologicos de la OIE	Paris-OIE	Miembro de la comisión
Taller de Entrenamiento Avanzado para Expertos PVS-OIE	Paris - OIE	Experto PVS
Reunión del Grupo ad hoc sobre Laboratorios Sustentables	Paris-OIE	Experto PVS
Reunión de Think Tank sobre el desarrollo de un sistema de codificación de datos de salud animal y su integración en WAHIS +	Paris-OIE	Laboratorios
Seminario regional para los Puntos Focales Nacionales de la OIE para laboratorios veterinarios	Thailandia	“La sostenibilidad del laboratorio en el foco de la Bioseguridad y la Biocustodia ”

25. Additional comments regarding your report: