

OIE Reference Laboratory Reports Activities

Activities in 2021

This report has been submitted : 2022-01-18 09:17:37

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Brucellosis (Brucella abortus, B. melitensis, B. canis)
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Name (including Title) of Head of Laboratory (Responsible Official):	Priv. Doz. Dr. Dr.habil. Ulrich Wernery
Name (including Title and Position) of OIE Reference Expert:	Priv. Doz. Dr. Dr.habil. Ulrich Wernery, Scientific Director
Which of the following defines your laboratory? Check all that apply:	Other: Semi 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			
RBT	Yes	304	0
SAT	Yes	4	0
ELISA	Yes	126	0
CFT	Yes	19	0
RSAT (B. canis)	Yes	92	79
IFAT (B. canis)	Yes	38	29
Direct diagnostic tests			
Culture	Yes	81	0
PCR (B. abortus and B. melitensis)	Yes	8	0

**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?

No

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
Positive control serum	RBT CFT SAT ELISA	Provided	0	12.5 ml	Through a private company	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East

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
BAHRAIN	January to December	8	0
BRAZIL	January to December	8	0
ETHIOPIA	January to December	1	0
INDIA	January to December	6	0
KENYA	January to December	15	0
KOREA (REP. OF)	January to December	3	0
KUWAIT	January to December	3	0
MAURITIUS	January to December	1	0
NAMIBIA	January to December	2	0
OMAN	January to December	4	0
PHILIPPINES	January to December	26	0
QATAR	January to December	3	0
SEYCHELLES	January to December	11	0
SINGAPORE	January to December	2	0
SOUTH AFRICA	January to December	4	0
SUDAN	January to December	4	0
TANZANIA	January to December	2	0
THAILAND	January to December	1	0
UNITED ARAB EMIRATES	January to December	92	0
VIETNAM	January to December	1	0
ZAMBIA	January to December	1	0

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
SOUTH AFRICA	Serological testing of B. canis	E-mail
UKRAINE	Serological testing of B. canis	E-mail

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?

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	OIE Member Countries involved other than your country
Validation of international reference camel sera	1- 5yrs	to produce International Reference camel Serum	Anses, France	FRANCE

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?

No

If the answer is no, please provide a brief explanation of the situation:
Mainly done by Ministry of Climate Change and Environment (MOCCA). We share the data to them.

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?

No

If the answer is no, please provide a brief explanation of the situation:
No

**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: 0

c) National conferences: 1

Sub-Regional Webinar on Camel Brucellosis and Trypanosomosis, 9-10 November 2021, Abu Dhabi, UAE.
A presentation on Camelid Brucellosis challenges, diagnostic-the way forward given by Dr. Ulrich Wernery

d) Other:

(Provide website address or link to appropriate information) 0

**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?

No

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)
ISO/IEC 17025:2017	iasc.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
African Horse Sickness	IAS, USA
Equine Piroplasmiasis	IAS, USA
Equine Infectious Anaemia	IAS, USA
Equine Viral arteritis	IAS, USA
Glanders	IAS, USA
Dourine	IAS, USA
CEM	IAS, USA
Brucellosis	IAS, USA
West Nile	IAS, USA
Strangles	IAS, USA
EHV 1 & 4	IAS, USA
Influenza A virus isolation	IAS, USA
Avian Paramyxovirus Type-1 (APMV-1) virus isolation	IAS, USA
Equine Arteritis Virus isolation from semen	IAS, USA
MERS CoV isolation	IAS, USA
ELISA techniques for various diseases	IAS, USA
CFT technique for various diseases	IAS, USA
AGID technique for various diseases	IAS, USA

17. Does your laboratory maintain a “bio-risk 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
Workshop: Controlling the spread of <i>Brucella canis</i> in Europe	18/5/2021	virtual meeting	participant	Not applicable

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.
Brucella culture	Participant	more than 5	OIE Reference Laboratory for Brucellosis, Anses, France

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?

Yes

Title of the project or contract	Scope	Name(s) of relevant OIE Reference Laboratories
Validation of International Camel Reference Sera	Preparation of International Camel Reference Sera	OIE Reference Laboratory for Brucellosis, Anses, France

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?

No

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

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)
E-mail correspondence with OIE technical Committee	UAE/France	Amendment of the OIE chapter for Brucellosis
E-mail correspondence with OIE technical Committee	UAE/France	Introducing a new chapter on B. canis in the OIE manual of diagnostic tests and vaccines for terrestrial animals

25. Additional comments regarding your report: