

# WOAH Reference Laboratory Reports Activities 2022

## Activities in 2022

This report has been submitted : 25 avril 2023 13:36

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOA Reference Laboratory:</b>	Brucellosis (Brucella abortus, Brucella canis, Brucella melitensis)
<b>Address of laboratory:</b>	P.O. Box 597, Dubai, United Arab Emirates
<b>Tel.:</b>	+97143375165
<b>E-mail address:</b>	cvrl@cvrl.ae
<b>Website:</b>	www.cvrl.ae
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Priv. Doz. Dr. Dr. habil. Ulrich Wernery
<b>Name (including Title and Position) of WOA Reference Expert:</b>	Priv. Doz. Dr. Dr. habil. Ulrich Wernery, Scientific Director
<b>Which of the following defines your laboratory? Check all that apply:</b>	Semi 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	
Indirect diagnostic tests		Nationally	Internationally
Brucellosis ELISA	Yes	136	0
Brucellosis SAT	Yes	11	0
Brucellosis RBT	Yes	1209	0
Brucellosis CFT	Yes	100	15
Brucella canis RSAT	Yes	76	20

Brucella canis IFAT	Yes	1	22
Direct diagnostic tests		Nationally	Internationally
Brucellosis culture	Yes	129	0
Brucella canis culture	Yes	4	0
Brucellosis PCR	Yes	2	0

## TOR2: REFERENCE MATERIAL

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

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOA?H 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?H MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
Brucella positive serum	CFT, SAT, ELISA	Provided	0	4 ML	1	Europe

4. Did your laboratory produce vaccines?

No

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

No

## TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

NAME OF WOA?H MEMBER COUNTRY SEEKING ASSISTANCE	DATE	WHICH DIAGNOSTIC TEST USED	NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC SUPPORT	NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY DIAGNOSES
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BAHRAIN	2023-01-01	Brucellosis CFT	15	0
BAHRAIN	2023-01-01	Brucella canis RSAT	1	0
BAHRAIN	2023-01-01	Brucella canis IFAT	1	0
BRAZIL	2023-01-01	Brucella canis RSAT	6	0
CAYMAN (ISLANDS)	2023-01-01	Brucella canis RSAT	1	0
INDIA	2023-01-01	Brucella canis RSAT	1	0
KUWAIT	2023-01-01	Brucella canis RSAT	1	0
LEBANON	2023-01-01	Brucella canis RSAT	7	0
MAURITIUS	2023-01-01	Brucella canis RSAT	1	0
OMAN	2023-01-01	Brucella canis RSAT	2	0
PHILIPPINES	2023-01-01	Brucella canis RSAT	4	0
SEYCHELLES	2023-01-01	Brucella canis RSAT	3	0

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

Yes

NAME OF THE WOA MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
BAHRAIN	Brucella canis testing	Email
SRI LANKA	Brucella canis testing and test methods implementation.	Virtual meetings and E mails
UNITED STATES OF AMERICA	Brucella canis test kits validation	face to face meetings

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

Yes

Title of the study	Duration	PURPOSE OF THE STUDY	PARTNERS (INSTITUTIONS)	WOAH MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY
Brucellosis camel reference sera	2-3 years	Brucellosis camel reference sera production and validation	Anses	FRANCE
Brucellosis test validation	2-3 years	Brucellosis DIVA serological test validation	VMRD	UNITED STATES OF AMERICA
Brucella canis test validation	2 years	Brucella canis antibody tests validation	VMRD	UNITED STATES OF AMERICA

## TOR6: EPIZOOLOGICAL DATA

14. Did your Laboratory collect epidemiological data relevant to international disease control?

No

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:

All data produced at CVRL are sent to the authorities at the Ministerial level of the UAE and the home countries from where we received the samples.

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

Wernery, U., R. Raghavan, N.M. Paily, Sh.M. Thomas, B. Johnson and Sh. Jose (2022)

*Camelid Brucellosis – Clinical feature, excretion pattern, serological and bacteriological diagnosis: Review.*

*Journal of Camel Practice and Research* 29(3), 1-4

b) International conferences:

2

• September 15, 2022

Lecture on 'Brucellosis in Camelids' at the 15th Annual Workshop 2022 of the EU Brucellosis National Reference Laboratories, Giulianova, Italy

Virtual meeting (Microsoft Teams) at CVRL Conference room

• March 31, 2022

Lecture on 'Zoonotic Diseases in Camelids'.

37th World Veterinary Association Congress (WVAC), ADNEC - Abu Dhabi, UAE

c) National conferences:

0

d) Other (Provide website address or link to appropriate information):

0

## 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/IEC 17025:2017	PDF	CentralVeterinaryLaboratory-CVRL-LB-TEST-208(004)Certificate2022.pdf
ISO/IEC 17025:2017	PDF	MBG_LAB_078_LB_MED_Human.pdf
ISO/IEC 17025:2017	PDF	MBG_LAB_138-LB_TEST_Vet_ (1).pdf
ISO/IEC 17025:2017	PDF	iasc.pdf

## 19. 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 Anemia	IAS, USA
Equine Viral Arteritis	IAS, USA
Glanders	IAS, USA
Dourine	IAS, USA
CEM	IAS, USA
Brucellosis	IAS, USA
West Nile Fever	IAS, USA
Strangles	IAS, USA
EHV 1 & 4	IAS, USA
Influenza A virus isolation	IAS, USA
Avian Paramyxovirus Type-1 virus isolation	IAS, USA
MERS	IAS, USA
ELISA techniques for various diseases	IAS, USA
CFT technique for various diseases	IAS, USA
AGID technique for various diseases	IAS, USA

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

Yes

The laboratory facility, management practices, and biosafety procedures are regularly monitored to ensure specific biosafety and laboratory biosecurity at CVRL.

**TOR9: SCIENTIFIC MEETINGS**

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

No

## 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?

Yes

24. Are you a member of a network of WOA Reference Laboratories designated for the same pathogen?

No

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

No

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?

Yes

TITLE OF THE PROJECT OR CONTRACT	SCOPE	NAME(S) OF RELEVANT WOA REFERENCE LABORATORIES
Brucellosis camel standard sera preparation	The aim of this project is to validate positive and negative camel sera which are necessary to standardize diagnostic tests and reagents for brucellosis. The serum will be validated for Rose Bengal Test, Complement Fixation Test, Serum Agglutination Test, i-ELISA and c-ELISA.	Anses, France

## 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?

No

## TOR12: EXPERT CONSULTANTS

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

Yes

KIND OF CONSULTANCY	Location	SUBJECT (FACULTATIVE)
Brucellosis chapter review	UAE	Chapter review; WOA Terrestrial Manual - Brucellosis (Brucella abortus, B. melitensis, B. suis).

29. Additional comments regarding your report: