

WOAH Reference Laboratory Reports Activities 2023

Activities in 2023

This report has been submitted : 7 mai 2024 09:54

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Brucellosis
Address of laboratory:	P.O. Box 597 Dubai
Tel.:	+971-4 337.51.65
E-mail address:	cvrl@cvrl.ae
Website:	www.cvrl.ae
Name (including Title) of Head of Laboratory (Responsible Official):	Priv. Doz. Dr. Dr. habil. Ulrich Wernery
Name (including Title and Position) of WOA Reference Expert:	Priv. Doz. Dr. Dr. habil. Ulrich Wernery, Scientific Director
Which of the following defines your laboratory? Check all that apply:	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	
		Nationally	Internationally
Indirect diagnostic tests			
B.canis RSAT		35	69
B.canis IFAT		15	1
Brucella RBT		18420	150
Brucella CFT		10523	0
Brucella ELISA		782	0
Brucella SAT		2	0
Direct diagnostic tests			
Culture		93	0
PCR		10	0

TOR2: REFERENCE MATERIAL

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

No

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

No

4. Did your laboratory produce vaccines?

No

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

No

TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

NAME OF WOAH 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
BAHRAIN	2023-01-01	Brucella canis IFAT	1	0
BAHRAIN	2023-01-01	Brucella canis RSAT	4	0
CAYMAN (ISLANDS)	2023-01-01	Brucella canis RSAT	6	0
INDIA	2023-01-01	Brucella canis RSAT	3	0
MAURITIUS	2023-01-01	Brucella canis RSAT	15	0
OMAN	2023-01-01	Brucella canis RSAT	10	0
PHILIPPINES	2023-01-01	Brucella canis RSAT	5	0
SRI LANKA	2023-01-01	Brucella canis RSAT	5	0
SEYCHELLES	2023-01-01	Brucella canis RSAT	15	0
BRAZIL	2023-01-01	Brucella canis RSAT	6	0

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

Yes

NAME OF THE WOAH MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
INDIA	Clinical feature, excretion pattern, serological and bacteriological diagnosis	E-mail
BRAZIL	Brucellosis diagnosis	E-mail

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAH 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 RBT antigen validation	1-2years	To validate a newly developed RBT antigen	Jovac	JORDAN

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

Yes

Research need : 1

Please type the Research need: To establish, standardize and validate MRT for camel milk To establish camel reference serum (ISS)

Relevance for WOAH Disease Control, Standard Setting,

Relevance for the Codes or Manual Manual,

Field Epidemiology and Surveillance, Diagnostics,

Animal Category Terrestrial,

Disease:

Brucellosis (Brucella abortus, Brucella canis, Brucella melitensis)

Kind of disease (Zoonosis, Transboundary diseases) Zoonosis, Transboundary diseases,

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: Terrestrial Manual Chapter 3.1.4. -Brucellosis (infection with Brucella abortus, B. melitensis and B. suis)

Notes:

Answer: The diagnostic method used for bovine MRT cannot be applied to camel milk and therefore a new method has to be developed. CVRL tries to initiate this research project.

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 receive 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:

0

b) International conferences:

1

Lecture on 'Camelid Brucellosis- Clinical feature, excretion pattern, serological and bacteriological diagnosis.' The 3rd International Symposium on Brucellosis took place in Beijing, China

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 WOAH 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	CVRL.pdf
ISO/IEC 17025:2017	PDF	CentralVeterinaryLaboratory-CVRL-LB-TEST-208(004)Certificate2022.pdf
ISO/IEC 17025:2017	PDF	MBGX-QA0019.pdf
ISO/IEC 17025:2017	PDF	MBGX-QA0020.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Brucella Culture	International Accreditation Service, Inc. U.S.A.
CEM- Culture for Taylorella equigenitalis	International Accreditation Service, Inc. U.S.A.
Brucellosis- ELISA, RBT, SAT and CFT	International Accreditation Service, Inc. U.S.A.
Dourine CFT	International Accreditation Service, Inc. U.S.A.
Glanders CFT	International Accreditation Service, Inc. U.S.A.
West Nile IgM ELISA and West Nile ELISA	International Accreditation Service, Inc. U.S.A.
Strangles ELISA	International Accreditation Service, Inc. U.S.A.
AHS ELISA	International Accreditation Service, Inc. U.S.A.
Theileria equi ELISA and IFAT	International Accreditation Service, Inc. U.S.A.
Babesia caballi ELISA and IFAT	International Accreditation Service, Inc. U.S.A.
MERS CoV ELISA	International Accreditation Service, Inc. U.S.A.
Equine infectious Anemia AGID	International Accreditation Service, Inc. U.S.A.
Virus Neutralisation Test for Equine Viral Arteritis (EVA - VNT)	International Accreditation Service, Inc. U.S.A.
Influenza A Virus Isolation	International Accreditation Service, Inc. U.S.A.
Avian paramyxovirus type 1 (APMV-1) Virus Isolation	International Accreditation Service, Inc. U.S.A.
MERS-Coronavirus (MERS-CoV) Isolation	International Accreditation Service, Inc. U.S.A.
Fluorescent Antibody Virus Neutralization (FAVN) Test for Rabies	International Accreditation Service, Inc. U.S.A.

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

Yes

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?

Yes

Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
The 3rd International symposium on Brucellosis took place in Beijing, China	2023-01-10	Beijing, China	Speaker	'Camelid Brucellosis- Clinical feature, excretion pattern, serological and bacteriological diagnosis'

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 WOH Reference Laboratories designated for the same pathogen?

No

26. Did your laboratory collaborate with other WOH 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 WOH REFERENCE LABORATORIES
Brucellosis camel standard serum preparation	This project aims to validate positive and negative camel sera which are necessary to standardize diagnostic tests and reagents for Brucellosis. The serum will be validated for RBT, CFT, SAT and ELISA	Anses, France

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOH Reference Laboratories for the same pathogen?

No

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

No