

WOAH Reference Laboratory Reports Activities 2023

Activities in 2023

This report has been submitted : 7 mai 2024 09:38

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Glanders
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			
CFT for Glanders		4951	1188
ELISA for Glanders		20	15
Direct diagnostic tests			
Culture		3	3

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?

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
Negative serum control	CFT/ELISA	Provided	0	25 ml	1	UNITED KINGDOM,
Positive serum control	CFT/ELISA	Provided	0	25 ml	1	UNITED KINGDOM,

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 WOAH Standards for the designated pathogen or disease?

Yes

NAME OF THE NEW TEST OR DIAGNOSTIC METHOD DEVELOPED	DESCRIPTION AND REFERENCES (PUBLICATION, WEBSITE, ETC.)
Indirect ELISA for Glanders	Bioclin from Brazil (ongoing)

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	CFT	517	0
BRAZIL	2023-01-01	CFT	9	9
EGYPT	2023-01-01	CFT	33	0
INDIA	2023-01-01	CFT	8	0
IRAQ	2023-01-01	CFT	2	0
JORDAN	2023-01-01	CFT	120	0
KUWAIT	2023-01-01	CFT	130	0
OMAN	2023-01-01	CFT	149	0
SAUDI ARABIA	2023-01-01	CFT	115	1
THAILAND	2023-01-01	CFT	105	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
BRAZIL	Disease control and serological confirmation	E-mail and virtual meeting
SAUDI ARABIA	Disease control and serological confirmation	Site visit and E-mail
BRAZIL	Validity of serological tests	E-mail
BRAZIL	Validation of Glanders indirect ELISA	E-mail and virtual meetings

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
Validation of Glanders Indirect ELISA	Ongoing	Validation	Bioclin, Brazil	BRAZIL
WOAH International comparison test - Glanders ELISA	2 years	Comparison of various serological tests	FLI, Germany Anses, France Brazil (PAHO/WHO) Harbin Veterinary Research Institute (China) APHA, UK Australian Center for Disease	AUSTRALIA BRAZIL CHINA (PEOPLE'S REP. OF) FRANCE GERMANY UNITED KINGDOM

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

Yes

Research need : 1

Please type the Research need: Standard Reference serum and antigen for immunological analyses especially CFT.

Relevance for WOA: Disease Control, Standard Setting,

Relevance for the Codes or Manual: Manual,

Field: Epidemiology and Surveillance, Diagnostics,

Animal Category: Terrestrial,

Disease:

Glanders

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 3.6.11 - Glanders

Notes:

Answer: To establish a Standard Reference Serum and antigen for Glanders serological tests, especially for CFT with minimum cross-reactivity influence for the Glanders diagnosis.

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:

Monitoring disease situation in this region by performing serological investigations on equine sera sent from neighboring countries.

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:

1

Wernery, U. (2023) *Equine melioidosis: The results of a challenge experiment.*

J Vet Sci. 7(2), eISSN: 2581-3897

b) International conferences:

1

Glanders Epidemiology- Geographical distribution, disease, and recent outbreaks- Diagnostic tests for Glanders & Role of WOA Reference Laboratories- Melioidosis- A Disease to Consider. August 30/ 2023. Virtual meeting

c) National conferences:

0

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

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TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOA H 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-CFT, ELISA, RBT and SAT	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.
AHS ELISA	International Accreditation Service, Inc. U.S.A.
Strangles 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

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Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
Glanders webinar for the WOAHP project in Asia and Pacific	2023-08-30	Virtual	Speaker	Glanders Epidemiology- Geographical distribution, disease, and recent outbreaks- Diagnostic tests for Glanders & Role of WOAHP Reference Laboratories- Melioidosis- A Disease to Consider

TOR10: NETWORK WITH WOAHP REFERENCE LABORATORIES

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

Yes

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

Yes

NETWORK/DISEASE	ROLE OF YOUR LABORATORY (PARTICIPANT, ORGANISER, ETC)	NO. PARTICIPANTS	PARTICIPATING WOAHP REF. LABS
Glanders	Participant	6	FLI, Germany Anses, France Brazil (PAHO/WHO) Harbin Veterinary Research Institute (China) APHA, UK Australian Center for Disease Preparedness, Australia

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

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOAHP REF. LABS/ ORGANISING WOAHP REF. LAB.
WOAHP International comparison test - Glanders ELISA	Participant	6	FLI, Germany Anses, France Brazil (PAHO/WHO) Harbin Veterinary Research Institute (China) APHA, UK Australian Center for Disease Preparedness, Australia

26. Did your laboratory collaborate with other WOAHP 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 WOAHP REFERENCE LABORATORIES
Serological test confirmation	Disease Diagnosis	FLI, Germany Anses, France

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

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

No

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

No