World Organisation for Animal Health

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WOAH Reference Laboratory Reports Activities 2024

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LABORATORY INFORMATION

***Name of disease (or topic) for which you are a designated WOAH 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 WOAH 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 WOAH Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
CFT	Yes	5259	1754
ELISA	Yes	165	3
Direct diagnostic tests		Nationally	Internationally

TOR2: REFERENCE MATERIAL

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

No

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

Yes

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient WOAH Member Countries	Country of recipients
Negative serum control	CFT/ELISA	Provided	0	2.5 ml	1	UNITED KINGDOM,
Positive serum control	CFT/ELISA	Provided	0	5.0ml	1	UNITED KINGDOM,

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?

Yes

Name of the new test or diagnostic method developed	Description and References (Publication, website, etc.)
Indirect ELISA for Glanders from Bioclin, Brazil	Validation data is available from CVRL

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	2024-01-01	CFT	564	0
BRAZIL	2024-01-01	CFT	0	1
EGYPT	2024-01-01	CFT	75	0
HONG KONG	2024-01-01	CFT	0	1

IRAN	2024-01-01	CFT	14	0
JORDAN	2024-01-01	CFT	98	0
KUWAIT	2024-01-01	CFT	441	0
OMAN	2024-01-01	CFT	142	0
SAUDI ARABIA	2024-01-01	CFT	159	0
THAILAND	2024-01-01	CFT	213	0
RUSSIA	2024-01-01	CFT	12	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	Validation of Glanders Indirect ELISA	email

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

No

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

No

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:

0

b) International conferences:

0

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	CVRL-PDF	CVRL-IAS.pdf
ISO/IEC 17025:2017	MBG-Veterinary	MBGX-Veterinary.pdf
ISO 15189:2012	MBG-Medical	MBGX-medical.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Brucella Culture	International Accreditation Service, USA
CEM- Culture for Taylorella equigenitalis	International Accreditation Service, USA
Brucellosis ELISA, CFT, RBT, SAT	International Accreditation Service, USA
Dourine CFT	International Accreditation Service, USA
Glanders CFT	International Accreditation Service, USA
West Nile IgM ELISA	International Accreditation Service, USA
Strangles ELISA	International Accreditation Service, USA

AHS ELISA	International Accreditation Service, USA
West Nile ELISA	International Accreditation Service, USA
Theileria equi ELISA	International Accreditation Service, USA
Babesia caballi ELISA	International Accreditation Service, USA
MERS CoV ELISA	International Accreditation Service, USA
Equine infectious Anemia AGID	International Accreditation Service, USA
Virus Neutralisation Test for Equine Viral Arteritis (EVA - VNT)	International Accreditation Service, USA
Influenza A Virus Isolation	International Accreditation Service, USA
Avian paramyxovirus type 1 (APMV-1) Virus Isolation	International Accreditation Service, USA
Indirect Fluorescent Antibody Test (IFAT) for the detection of antibodies to Equine Piroplasmosis (Theileria equi and Babesia caballi)	International Accreditation Service, USA
MERS-Coronavirus (MERS-CoV) Isolation	International Accreditation Service, USA
Fluorescent Antibody Virus Neutralization (FAVN) Test for Rabies	International Accreditation Service, USA

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

Yes

The laboratory facility, management practices, and biosecurity 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 WOAH?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAH?

No

TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES

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

No

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

No

25. Did you organise or participate in inter-laboratory proficiency tests with WOAH Reference Laboratories designated for the same pathogen during the past 2 years?

No

CVRL participated in the interlaboratory proficiency tests conducted by FLI, Germany in 2023.

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

No

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOAH Reference Laboratories for the same pathogen during the past 2 years?

Yes

Purpose for inter-laboratory test comparisons1	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the test	WOAH Member Countries
WOAH international comparison test-Glanders ELISA	Participate	6	Glanders Indirect ELISA	AUSTRALIA, BRAZIL, CHINA (PEOPLE'S REP. OF), FRANCE, GERMANY, UNITED ARAB EMIRATES,

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

No

In the WOAH reference laboratory annual report 2025, melioidosis should be added to the disease name. Also, we request to designate CVRL as the reference laboratory for both diseases.