

WOAH Reference Laboratory Reports Activities 2025

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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	
		Nationally	Internationally
Indirect diagnostic tests			
ELISA	Yes	202	1
CFT	Yes	5528	2751
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	12.5 ML	1	UNITED KINGDOM,
Positive serum control	CFT/ELISA	Provided	0	25.0 ML	1	UNITED KINGDOM,

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAH Members?

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 WOAAH Standards for the designated pathogen or disease?

No

8. Did your laboratory develop new vaccines for the designated pathogen or disease?

9. Did your laboratory validate vaccines according to WOAAH Standards for the designated pathogen or disease?

TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

Name of WOAAH 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	2025-01-01	CFT	721	0
EGYPT	2025-01-01	CFT	153	0
KYRGYZSTAN	2025-01-01	CFT	354	0
MALAYSIA	2025-01-01	CFT	50	0
IRAN	2025-01-01	CFT	2	0
JORDAN	2025-01-01	CFT	285	0
KUWAIT	2025-01-01	CFT	306	0
OMAN	2025-01-01	CFT	241	0
SAUDI ARABIA	2025-01-01	CFT	600	0
BRUNEI	2025-01-01	CFT	39	0
BRUNEI	2025-01-01	ELISA	1	0

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

Yes

Name of the WOAAH Member Country receiving a technical consultancy	Purpose	How the advice was provided
PHILIPPINES	Glanders Disease Diagnosis	Virtual meetings and E mail communication
INDONESIA	Inter lab testing comparison	E mail communication
MEXICO	Glanders reagent supply	E mail communication
BRAZIL	Technical consultation for laboratory diagnosis of Glanders	E mail communication
INDIA	SEA Games	Serological diagnosis of Glanders
KUWAIT	Glanders reagent supply	E mail communication

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

No

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

Yes

Research need : 1

Please type the Research need: Melioidosis differential serological diagnosis

Relevance for WOAAH Disease Control,

Relevance for the Code or Manual Manual,

Field Diagnostics,

Animal Category Terrestrial,

Disease:

Glanders

Kind of disease (Zoonosis, Transboundary diseases) Zoonosis,

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:

Notes:

Answer:

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 the disease situation in the region through serological investigations of equine serum samples received 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 generated at CVRL are shared with UAE ministerial authorities and with the authorities of the countries that submitted 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 WOAHA 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	PCR tests	MBG-Vet.pdf
ISO 15189:2012	PCR tests	MBG-Med.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Brucellosis RBT	IAS, USA
Brucellosis SAT	IAS, USA
Dourine CFT	IAS, USA
Glanders CFT	IAS, USA
West Nile IgM ELISA	IAS, USA
Strangles ELISA	IAS, USA
Theileria equi ELISA	IAS, USA
Babesia caballi ELISA	IAS, USA
AHS cELISA	IAS, USA
Equine infectious Anemia AGID	IAS, USA
Virus Neutralisation Test for Equine Viral Arteritis (EVA - VNT)	IAS, USA
Influenza A Virus Isolation	IAS, USA
Avian paramyxovirus type 1 (APMV-1) / Newcastle Disease Virus (NDV) Isolation	IAS, USA
Indirect Fluorescent Antibody Test (IFAT) for the detection of antibodies to Equine Piroplasmosis (Theileria equi and Babesia caballi)	IAS, USA
MERS-Coronavirus (MERS-CoV) Isolation	IAS, USA
Fluorescent Antibody Virus Neutralization (FAVN) Test for Rabies	IAS, USA
Brucella Culture	IAS, USA
CEM- Culture for Taylorella equigenitalis	IAS, USA
Brucellosis ELISA	IAS, USA
Brucellosis CFT	IAS, USA

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

Yes

CVRL regularly monitors its laboratory facilities, management practices, and biosecurity procedures to ensure biosafety and laboratory biosecurity.

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?

No

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

Yes

	ROLE OF YOUR LABORATORY	NO. PARTICIPANTS	PARTICIPATING WOA?H REF. LABS

Ulrich Wernery - - UNITED_ARAB_EMIRATES

NETWORK/DISEASE	(PARTICIPANT, ORGANISER, ETC)		
Glanders	Participant	1	Anses, France

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

Yes

Purpose of the proficiency test:	Role of your Reference Laboratory (organiser/ participant)	No. participating Laboratories	Participating WOA Ref. Labs/ organising WOA Ref Lab
Increase testing accuracy and proficiency	organizer	1	Indonesia

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?

No

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 during the past 2 years?

Yes

Purpose for inter-laboratory test comparisons ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the test	WOAH Member Countries
Increase testing accuracy and proficiency	Organizer	1	Glanders CFT	

TOR12: EXPERT CONSULTANTS

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

Yes

Kind of consultancy	Location	Subject (facultative)
Terrestrial Manual chapter for Glanders	UAE	Chapter review

29. Additional comments regarding your report:

No