

WOAH Reference Laboratory Reports Activities 2023

Activities in 2023

This report has been submitted : 16 mai 2024 14:53

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Dourine
Address of laboratory:	Anses, laboratoire de santé animale, site de Normandie, unité PhEED
Tel.:	0231792276
E-mail address:	Laurent.HEBERT@anses.fr
Website:	
Name (including Title) of Head of Laboratory (Responsible Official):	Dr Stephan Zientara
Name (including Title and Position) of WOA Reference Expert:	Laurent Hébert
Which of the following defines your laboratory? Check all that apply:	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			
Test de fixation du complément		21	137
CATT/T.evansi (surra)		41	81
Direct diagnostic tests			

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 (nonWOAH-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
Témoin positif Haut-titre	Test de fixation du complément dourine	Produit	5	31	6	CZECH REPUBLIC, ESTONIA, FRANCE, POLAND, SAUDI ARABIA, UKRAINE,
Témoin positif Bas-titre	Test de fixation du complément dourine	Produit	5	17	5	ESTONIA, FRANCE, POLAND, SAUDI ARABIA,
						BELGIUM, BULGARIA, CZECH REPUBLIC,

Antigène Trypanosoma. Equiperdum OVI	Test de fixation du complément dourine	Produit	6	155	13	ESTONIA, FINLAND, FRANCE, IRELAND, POLAND, SAUDI ARABIA, SERBIA, SLOVENIA, UKRAINE,
Témoin Négatif	Test de fixation du complément dourine	Produit	0	16	4	ESTONIA, POLAND, SAUDI ARABIA, UKRAINE,

4. Did your laboratory produce vaccines?

No

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

No

TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

NAME OF WOAHA 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
GERMANY	2023-02-01	Test de fixation du complément dourine	0	5
GERMANY	2023-03-01	Test de fixation du complément dourine	0	2
FINLAND	2023-05-01	Test de fixation du complément dourine	0	2
FINLAND	2023-07-01	Test de fixation du complément dourine	0	2
MALTA	2023-04-01	Test de fixation du complément dourine	30	0
MALTA	2023-05-01	Test de fixation du complément dourine	5	0
MALTA	2023-08-01	Test de fixation du complément dourine	20	0
MALTA	2023-08-01	Test de fixation du complément dourine	8	0
MALTA	2023-09-01	Test de fixation du complément dourine	1	0
MAURITIUS	2023-12-01	Test de fixation du complément dourine	18	0
THE NETHERLANDS	2023-05-01	Test de fixation du complément dourine	0	2
THE NETHERLANDS	2023-05-01	Test de fixation du complément dourine	0	1
THE NETHERLANDS	2023-10-01	Test de fixation du complément dourine	0	1

TUNISIA	2023-02-01	Test de fixation du complément dourine	6	0
TUNISIA	2023-02-01	Test de fixation du complément dourine	5	0
TUNISIA	2023-05-01	Test de fixation du complément dourine	6	0
TUNISIA	2023-05-01	Test de fixation du complément dourine	2	0
TUNISIA	2023-06-01	Test de fixation du complément dourine	3	0
TUNISIA	2023-07-01	Test de fixation du complément dourine	3	0
TUNISIA	2023-08-01	Test de fixation du complément dourine	6	0
TUNISIA	2023-09-01	Test de fixation du complément dourine	2	0
TUNISIA	2023-09-01	Test de fixation du complément dourine	4	0
TUNISIA	2023-09-01	Test de fixation du complément dourine	1	0
TUNISIA	2023-09-01	Test de fixation du complément dourine	1	0
TUNISIA	2023-11-01	Test de fixation du complément dourine	1	0

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

No

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
Etude des trypanosomoses équine	2 ans	Etudier les trypanosomoses équine potentiellement présentes en Iran	- UMR INTERTRYP, French Agricultural Research Centre for International Development (CIRAD), 31076 Toulouse, France. - Department of Pathobiology, Faculty of Veterinary Science, Bu-Ali Sina University, Hamedan 6517658978, Iran	IRAN
Etude des trypanosomoses équine Prévalence des trypanosomoses équine en Argentine	2 ans	Evaluer la prévalence des trypanosomoses équine dans différentes populations équine d'Argentine	Clinica Equina SRL Alem 1698 - Capitan Sarmiento CP 2752 - Buenos Aires - ARGENTINA	ARGENTINA
Prévalence des trypanosomoses équine en Tunisie	2 ans	Evaluer la prévalence des trypanosomoses équine dans différentes populations équine de Tunisie	Ecole Vétérinaire de Sidi-Thabet Tunisie	TUNISIA

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

No

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?

No

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

- Hébert, L., D. Froger, A. Madeline, F. Lecouturier, C. Lemans et S. Zientara. 2023. « European inter-laboratory proficiency test for dourine antibody detection using the complement fixation test. » *Veterinary Sciences* 10 (10): 592. <https://doi.org/10.3390/vetsci10100592>.

b) International conferences:

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- Sazmand, A., M. Yavari, F. Mahra, F. Nemati, L. Moradi, S. Azami, P. Almasi, F. Kaviani, M. Desquesnes et L. Hébert. 2023. « Efficacy of quinapyramine chloride and quinapyramine sulphate (Triquin®) against *Trypanosoma equiperdum* infections in horses. » 29th WAAVP Conference, Chennai, India, 20-24 aout 2023.

- Sazmand, A., F. Nemati, Z. Sadeghi-Dehkordi, L. Moradi, S. Azami, V.N.L. Flores, M. S. Latrofa, D. Otranto, L. Hébert et M. Desquesnes. 2023. « Canine trypanosomosis in some regions of Iran. » 29th WAAVP Conference, Chennai, India, 20-24 aout 2023.

- Hébert, L. 2023. « Diagnosis of animal trypanosomosis – current state and prospects for improvements. » Symposium on African Livestock Trypanosomiasis, Arusha, Tanzanie, 14-16 février.

- Hébert, L. 2023. « Summary of challenges represented by development of field applicable diagnosis tools for African animal trypanosomosis. » Symposium on African Livestock Trypanosomiasis, Arusha, Tanzanie, 14-16 février.

c) National conferences:

0

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

3

- Hébert L. 2023. « Overview and purpose of the different diagnostic tests for dourine and surra. » WOAHP Webinar on Dourine and Surra in the context of "International Horse Movement" project in Asia and the Pacific, 11 décembre 2023. <https://rr-asia.woah.org/en/events/dourine-and-surra-webinar/>.

- Hébert, L. 2023. « Serological diagnostic methods of dourine and surra. » WOAHP Webinar on Dourine and Surra in the context of "International Horse Movement" project in Asia and the Pacific, 11 décembre 2023. <https://rr-asia.woah.org/en/events/dourine-and-surra-webinar/>.

- Hébert, L. 2023. « Study report: Argentina. » WOAHP Webinar on Dourine and Surra in the context of "International Horse Movement" project in Asia and the Pacific, 11 décembre 2023. <https://rr-asia.woah.org/en/events/dourine-and-surra-webinar/>.

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAHP Members?

Yes

a) Technical visit : 1

b) Seminars : 5

c) Hands-on training courses: 0

d) Internships (>1 month) 0

Type of technical training provided (a, b, c or d)	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
B	SOUTH AFRICA	2
B	SRI LANKA	3
B	THE NETHERLANDS	2
A	ARGENTINA	3
B	INDONESIA	2
B	BRAZIL	1

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO 17025	Voir pièce jointe	CoFrac 1-6764 du 211001.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Fixation du complément : Anticorps dirigés contre Trypanosoma equiperdum (Dourine)	Cofrac

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?

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?

Not applicable (only WOA?H Reference Laboratory designated for the disease)

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

Not applicable (Only WOA?H Reference Laboratory designated for the disease)

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

Not applicable (Only WOA?H Reference Laboratory designated for the disease)

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

Not applicable (Only WOA?H Reference Laboratory designated for the disease)

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

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

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
Evaluer l'aptitude d'un laboratoire à réaliser des épreuves diagnostiques spécifiques	Participant	13	Test de fixation du complément dourine	
Evaluer l'aptitude d'un laboratoire à réaliser des épreuves diagnostiques spécifiques	Participant	13	Test de fixation du complément dourine	CHILE, CHINA (PEOPLE'S REP. OF), EGYPT, FRANCE, IRELAND, ITALY, MOROCCO, POLAND, QATAR, ROMANIA, SOUTH AFRICA, UNITED ARAB EMIRATES, UNITED KINGDOM, UNITED STATES OF AMERICA,

TOR12: EXPERT CONSULTANTS

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

Yes

KIND OF CONSULTANCY	Location	SUBJECT (FACULTATIVE)
Ad hoc Group meeting on surra and dourine, 10 - 12 Jul 2023	OMSA, Paris	Surra et dourine
WOAH webinar on Dourine and surra, 11 Dec 2023	Webinar	Dourine and surra

29. Additional comments regarding your report:

Yes