

OIE Reference Laboratory Reports Activities

Activities in 2020

This report has been submitted : 2021-01-19 14:21:09

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Dourine
Address of laboratory:	Anses Laboratory for Animal Health, Normandy site Physiopathology and Epidemiology of Equine Diseases Unit 14430 Goustranville FRANCE
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Name (including Title) of Head of Laboratory (Responsible Official):	Aymeric HANS (PhD), Adjoint au directeur du laboratoire, responsable du site de Normandie.
Name (including Title and Position) of OIE Reference Expert:	Laurent HEBERT (PhD, HDR), Responsable thématique parasitologie.
Which of the following defines your laboratory? Check all that apply:	Governmental

ToR 1: To use, promote and disseminate diagnostic methods validated according to OIE Standards

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 OIE Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
Test de fixation du complément dourine	Oui	25	73
ELISA dourine	Oui	7	0
Direct diagnostic tests			

**ToR 2: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards.
To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.**

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

No

3. Did your laboratory supply standard reference reagents (non OIE-approved) and/or other diagnostic reagents to OIE Member Countries?

Yes

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient OIE Member Countries	Region of recipients
Antigène Trypanosoma equiperdum OVI	Test de fixation du complément dourine	Produit	4 x 1 ml	40 x 1 ml	8	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East
Témoin positif Haut-titre	Test de fixation du complément dourine	Produit	3 x 1 ml	36 x 1ml	7	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East
Témoin positif Bas-titre	Test de fixation du complément dourine	Produit	4 x 0,83 ml	48 x 0,83 ml	6	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to OIE Member Countries?

No

ToR 3: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?

No

7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?

No

ToR 4: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?

Yes

Name of OIE Member Country seeking assistance	Date (month)	No. samples received for provision of diagnostic support	No. samples received for provision of confirmatory diagnoses
NEW ZEALAND	Juin	8	0
THE NETHERLANDS	Aout	3	0
PORTUGAL	Janvier	1	0
TUNISIA	Janvier, février, octobre, novembre	0	61

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

Yes

Name of the OIE Member Country receiving a technical consultancy	Purpose	How the advice was provided
UNITED STATES OF AMERICA	Partage de panel de sérum de contrôle	Envoi de matériel biologique et échanges par email
POLAND	Evaluation de la sensibilité d'un antigène	Envoi du matériel biologique à tester puis partage de résultats et conseils par email

ToR 5: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	OIE Member Countries involved other than your country
Etude physiologique des parasites du sous genre Trypanozoon	3 ans	Identifier des marqueurs permettant de différencier les parasites du sous genre Trypanozoon	Université d'Edimbourg	UNITED KINGDOM
Etude séroépidémiologique chez un troupeau de chevaux argentins.	1 an	Etudier la présence de trypanosomes et d'autres maladies équine en Argentine.	-Laboratoire Clinica Equina SRL -Institut de médecine Tropical	ARGENTINA BELGIUM

ToR 6: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases

11. Did your Laboratory collect epizootiological data relevant to international disease control?

Yes

If the answer is yes, please provide details of the data collected:
En collaboration avec Clinica equia SRL (Buenos Aires, Argentine) nous avons participé à l'analyse d'échantillons de terrain argentins et à la diffusion de données epizootiologiques.

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?

Yes

If the answer is yes, please provide details of the data collected:
Les résultats des études mentionnées ci-dessus ont été analysés et soumis pour publication.

13. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category)

a) Articles published in peer-reviewed journals: 1
 Verney, M., F. Grey, C. Lemans, T. Géraud, D. Berthier, S. Thévenon, A. Rincé, A. Hans, L. Morrison, et L. Hébert. 2020. « Molecular detection of 7SL-derived small RNA is a promising alternative for trypanosomosis diagnosis ». *Transbound Emerg Dis* 67:3061–3068. <https://doi.org/10.1111/tbed.13744>.

b) International conferences: 1
 Hébert, L. "Overview of the dourine Reference Laboratory activities on Equine Trypanosomosis". Institute of Immunology and Infection Research, The University of Edinburgh. Edimbourg, Ecosse, 5 mars 2020.

c) National conferences: 0
Sans objet

d) Other:
(Provide website address or link to appropriate information) 0
Sans objet

**ToR 7: To provide scientific and technical training for personnel from OIE Member Countries
To recommend the prescribed and alternative tests or vaccines as OIE Standards**

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

No

ToR 8: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned

15. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
NF EN ISO/CEI 17025	Accréditation Cofrac 1-6764 du 20052020.pdf

16. 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

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

Yes

(See Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 1.1.4)

ToR 9: To organise and participate in scientific meetings on behalf of the OIE

18. Did your laboratory organise scientific meetings on behalf of the OIE?

No

19. Did your laboratory participate in scientific meetings on behalf of the OIE?

No

ToR 10: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results

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

Not applicable (Only OIE Reference Lab. designated for disease)

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?

Not applicable (Only OIE Reference Lab. designated for disease)

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

Not applicable (Only OIE Reference Lab. designated for disease)

ToR 11: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?

Yes

Note: See Interlaboratory test comparisons in: Laboratory Proficiency Testing at:
<http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing> see point 1.3

Purpose for inter-laboratory test comparisons ¹	No. participating laboratories	Region(s) of participating OIE Member Countries
Evaluer l'aptitude d'un laboratoire à réaliser des épreuves diagnostiques spécifiques: Diagnostic sérologique de la hourine.	11	<input checked="" type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input checked="" type="checkbox"/> Middle East
Evaluer l'aptitude d'un laboratoire à réaliser des épreuves diagnostiques spécifiques: Diagnostic sérologique de la hourine.	15	<input checked="" type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input checked="" type="checkbox"/> Middle East

ToR 12: To place expert consultants at the disposal of the OIE

24. Did your laboratory place expert consultants at the disposal of the OIE?

Yes

Kind of consultancy	Location	Subject (facultative)
Appui pour la mise à jour d'un chapitre du manuel terrestre de l'OIE	E-mail	Chapitre 3.5.3 hourine du manuel terrestre de l'OIE
Groupe de travail sur la définition d'un cas confirmé.	E-mail et visioconférence.	Rédaction d'une définition d'un cas confirmé pour le surra et la hourine

25. Additional comments regarding your report:

Le laboratoire de santé animale site de Normandie a été désigné laboratoire de référence de l'OIE pour la hourine en juin 2020.