OIE Reference Laboratory Reports Activities

Activities in 2021

This report has been submitted : 2022-01-17 14:01:04

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 RD675 14430 Goustranville FRANCE
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Name (including Title) of Head of Laboratory (Responsible Official):	Pascal Boireau (PhD, DMV, HDR) Directeur du laboratoire de santé animale
Name (including Title and Position) of OIE Reference Expert:	Laurent Hébert (PhD, HDR) Responsable de l'équipe 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	
Indirect diagnostic tests		Nationally	Internationally
Test de fixation du complément dourine	Oui	126	40
ELISA dourine	Oui	4	4
Direct diagnostic tests		Nationally	Internationally

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
Témoin positif Haut-titre	Test de fixation du complément dourine	Produit	1 x 1 ml	40 x 1 ml	5	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☒Middle East
Témoin positif Bas-titre	Test de fixation du complément dourine	Produit	1 x 833 µl	50 x 833 µl	5	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☒Middle East
Antigène Trypanosoma. Equiperdum OVI	Test de fixation du complément dourine	Produit	1x 1 ml	25 x 1 ml	5	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐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
FINLAND	Mai, Juin, Septembre	0	3
ESTONIA	Septembre	0	1
TUNISIA	Mars, Aout, Septembre Octobre, Décembre	42	0

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
IRAN	Caractérisation de parasites équins	Envoi de matériel biologique et échanges 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 ans	Etudier la présente de trypanosomes et d'autres maladies équines 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 publié les résultats provenant de l'analyse d'échantillons de terrain argentins et diffusé des 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 publiés en 2021.

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: 2
- Hébert, L., G. Polledo, F. Lecouturier, M. Giorgi, C. Beck, S. Lowenski, K. Laroucau, P. Büscher, A. Hans et T. Becù. 2021. "Serological evidence of equine infectious anaemia, West Nile fever, surra and equine piroplasmosis in a herd of horses in northern Argentina." Veterinary Parasitology: Regional Studies and Reports 24: 100566. https://doi.org/https://doi.org/10.1016/j.vprsr.2021.100566.

- Oldrieve, G., M. Verney, K. S. Jaron, L. Hébert et K. R. Matthews. 2021. "Monomorphic Trypanozoon: towards reconciling phylogeny and pathologies." Microbial Genomics 7 (8). https://doi.org/10.1099/mgen.0.000632.

b) International conferences: 3
- Hébert, L., G. Oldrieve, M. Verney et K.R. Matthews. 2021. "Diagnosis of equine trypanosomosis (dourine, nagana and surra): towards reconciling phylogeny and pathologies." 11th International Equine Infectious Diseases Conference 2021, 27 September - 01 October 2021. https://beva.onlinelibrary.wiley.com/doi/abs/10.1111/evj.62_13495.

- Hébert, L., G. Polledo, F. Lecouturier, M.Giorgi, C. Beck, S. Lowenski, K. Laroucau, P. Büscher, A. Hans et T. Becù. 2021. "High sero-prevalance of equine trypanosomosis, equine infectious anemia and equine piroplasmosis in a herd of semi-wild horses from North Argentina." 11th International Equine Infectious Diseases Conference 2021, 27 september - 01 october 2021. https://beva.onlinelibrary.wiley.com/doi/abs/10.1111/evj.48_13495.

- Verney, M., F. Grey, C. Lemans, T. Géraud, D. Berthier, S. Thévenon, A. Rincé, A. Hans, L. Morrison et L. Hébert. 2021. "Molecular detection of 7SL-derived small RNA is a promising alternative for trypanosomosis diagnosis." 11th International Equine Infectious Diseases Conference 2021, 27 september - 01 october 2021, 2021/09/01. https://doi.org/10.1111/evj.61_13495.

c) National conferences: 2
- Verney, M., F. Grey, C. Lemans, T. Géraud, D. Berthier, S. Thévenon, A. Rincé, A. Hans, L. Morrison et L. Hébert. 2021a. "Molecular detection of 7SL-derived small RNA is a promising alternative for trypanosomosis diagnosis." XXIIIth edition of the Doctoral School Days Nbise, 18 May 2021

- Verney, M., F. Grey, C. Lemans, T. Géraud, D. Berthier, S. Thévenon, A. Rincé, A. Hans, L. Morrison et L. Hébert. 2021b. "Nouveaux outils de diagnostic pour la dourine et le surra." 4th Equine Doctoral Students' Day (IFCE), 180 sec presentation., 19 May 2021.

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

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	CoFrac 1-6764 du 211001.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 spécifique	12	☒Africa ☒Americas ☒Asia and Pacific ☒Europe ☒Middle East
Evaluer l'aptitude d'un laboratoire à réaliser des épreuves diagnostiques spécifique	15	☒Africa ☒Americas ☒Asia and Pacific ☒Europe ☒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)
Meeting of the ad hoc Group on Surra and Dourine	E-mail et visioconférence	Révision des chapitres surra et dourine du Code sanitaire pour les animaux terrestres

25. Additional comments regarding your report: