

OIE Reference Laboratory Reports Activities

Activities in 2020

This report has been submitted : 2021-01-07 14:16:47

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Surra (Trypanosoma evansi)
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Name (including Title) of Head of Laboratory (Responsible Official):	Philippe Büscher (Prof.Dr.)
Name (including Title and Position) of OIE Reference Expert:	Philippe Büscher (Prof.Dr.)
Which of the following defines your laboratory? Check all that apply:	Research

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			
CATT/T.evansi	Yes	27	169
Immune trypanolysis	Yes	0	2
ELISA/T.evansi	No	0	0
Direct diagnostic tests			
Blood smear	Yes	1	165

**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
CATT/T.evansi	Surra antibody detection	produced	0 tests	62640 tests	13	<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
Antigen for ELISA/T.evansi	Surra antibody detection	produced	0 mg	5 mg		<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
T. evansi reference strain	Surra molecular test	produced	0	1	1	<input checked="" type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
DNA of T. evansi strains	Surra molecular test	produced	0	31		<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input 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
BELGIUM	Jan-Dec 2020	27	1
CANADA	Jan-Dec 2020	16	16
PANAMA	Jan-Dec 2020	5	5
PORTUGAL	Jan-Dec 2020	5	2
UNITED KINGDOM	Jan-Dec 2020	1	1
UNITED STATES OF AMERICA	Jan-Dec 2020	134	134
ZIMBABWE	Jan-Dec 2020	1	1
SWEDEN	Jan-Dec 2020	1	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
UNITED KINGDOM	Availability and specificities of CATT/T. evansi	Written advice

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?

No

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?

No

If the answer is no, please provide a brief explanation of the situation:
No

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:
Publication of data from Algeria in scientific journals

**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

Benfodil, K., Büscher, P., Abdelli, A., Van Reet, N., Mohamed-Herif, A., Ansel, S., Fettata, S., Dehou, S., Bebronne, N., Geerts, M., Balharbi, F., Ait-Oudhia, K., 2020a. Comparison of serological and molecular tests for detection of *Trypanosoma evansi* in domestic animals from Ghardaia district, South Algeria. *Vet Parasitol* 280, 109089.

Benfodil, K., Büscher, P., Ansel, S., Cherifa, A.M., Abdellib, A., Van Reet, N., Fettatad, S., Bebronne, N., Dehou, S., Geerts, M., Balharbi, F., Bouzida, R., Ait-Oudhia, K., 2020b. Assessment of *Trypanosoma evansi* prevalence and associated risk factors by immune trypanolysis test in camels from Ghardaïa district, southern Algeria. *Veterinary Parasitology: Regional Studies and Reports* 22

b) International conferences: 0

c) National conferences: 0

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)
ISO 17025:2005	Certificate-scope-147-TEST.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
CATT/T.evansi	BELAC
Giemsa stained blood preparation	BELAC

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?

Yes

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?

No

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?

Yes

Title of the project or contract	Scope	Name(s) of relevant OIE Reference Laboratories
OIE Network for NTTAT	Non Tsetse Transmitted Animal Trypanosomoses	Ref Lab for Surra, Obihiro University of Agriculture and Veterinary Sciences, Obihiro, Japan
OIE Network for NTTAT	Non Tsetse Transmitted Animal Trypanosomoses	Ref Lab for Dourine, ANSES, Dozulé, France

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?

No

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

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)
Expertise for revision of an OIE Manual Chapter	online	Revision of OIE Manual Chapter on Surra
Expertise for revision of an OIE Manual Chapter	online	Revision of OIE Manual Chapter on Dourine
Expertise for revision of case definitions	online	Revision of Case Definition of Surra
Expertise for revision of disease cards	online	Disease card: DOURINE (INFECTION WITH TRYPANOSOMA EQUIPERDUM)

25. Additional comments regarding your report:

Due to the COVID 19 pandemic, organisation of and participation at conferences was not possible in 2020. In particular, the annual meeting of the NTTAT Network foreseen in June 2020 was cancelled, as well as the annual international conference of the NTTAT Network. Organising online conferences was not considered due to the fact that live streaming is not evident with participants located all over the world.