

OIE Reference Laboratory Reports Activities

Activities in 2015

This report has been submitted : 2016-01-12 10:23:15

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Surra (Trypanosoma evansi)
Address of laboratory:	National Research Center for Protozoan Diseases, Obihiro University of Agriculture and Veterinary Medicine, Inada-cho Nishi 2-13 Obihiro, Hokkaido 080-8555 JAPAN
Tel.:	+81-155 49.56.47
Fax:	+81-155 49.56.43
E-mail address:	ircpmi@obihiro.ac.jp
Website:	http://www.obihiro.ac.jp/~protozoa/eng/index-eng.html
Name (including Title) of Head of Laboratory (Responsible Official):	Noboru Inoue, D.V.M., Ph.D., Professor
Name (including Title and Position) of OIE Reference Expert:	Noboru Inoue, D.V.M., Ph.D., Professor
Which of the following defines your laboratory? Check all that apply:	Academic

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	1	0
crude antigen ELISA	Yes	0	668
immunochromatographic test	No	0	437
Direct diagnostic tests			
microscopic test of blood smear	Yes	0	2
PCR	Yes	0	21

**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
Trypanosoma evansi total DNA	PCR	produced and provide	0	<1 ug	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
Trypanosoma equiperdum total DNA	PCR	produced and provided	0	<1 ug	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
Trypanosoma brucei total DNA	PCR	produced and provided	0	< 1 ug	1	<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
MONGOLIA	April	0	21

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
MONGOLIA	Confirmatory diagnosis of dourine and isolation of <i>T. equiperdum</i> by using in vitro culture system	site visit and work together

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)
Epidemiological studies on animal protozoan diseases in Mongolia and development of effective diagnostics measures	3 years	Development of new diagnostics and epidemiological survey of animal protozoan diseases (including surra and dourine) in Mongolia	Institute of Veterinary Medicine

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

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

Yes

**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: 3

Nguyen, T.T., Ruttayaporn, N., Goto, Y., Kawazu, S., Sakurai, T., Inoue, N., (2015) A TeGM6-4r antigen-based immunochromatographic test (ICT) for animal trypanosomosis. Parasitology Research 114 (11) 4319-4325.

Nguyen, T.T., Motsiri, M.S., Taioe, M.O., Mtshali, M.S., Goto, Y., Kawazu, Y., Inoue, N., (2015) Application of crude and recombinant ELISAs and immunochromatographic test for serodiagnosis of animal trypanosomosis in the Umkhanyakude district of KwaZulu-Natal province, South Africa. The Journal of Veterinary Medical Science 77 (2) 217-220.

Laohasinnarong, D., Goto, Y., Asada, M., Nakao, R., Hayashida, K., Kajino, K., Kawazu, S., Sugimoto, C., Inoue, N., Namangala, B., (2015) Studies of trypanosomiasis in the Luangwa valley, north-eastern Zambia. Parasites & Vectors 8: 497.

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?

Yes

a) Technical visits: 0

b) Seminars: 1

c) Hands-on training courses: 3

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	Mongolia	11
c	Mongolia	13

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 certified according to an International Standard?

No

Explain Quality Management System in adoption process or currently in place
Application for ISO17025 is currently in preparation

16. Is your laboratory accredited by an international accreditation body?

No

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 2014, Chapter 1.1.3a)

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?

No

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)
OIE non-tsetse transmitted animal trypanosomoses Network	OIE, Paris	To establish a global strategy for the control of non-tsetse
Meeting of the OIE ad hoc group on equine trypanosomoses	OIE, Paris	Review and update of Code chapter on Equine Trypanosomoses (Dourine and Surra)

25. Additional comments regarding your report:

None