OIE Reference Laboratory Reports Activities

Activities in 2021

This report has been submitted : 2022-01-19 09:19:24

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Paratuberculosis
Address of laboratory:	ANSES - Laboratoire de Ploufragan-Plouzané-Niort Unité Pathologie et Bien-être des Ruminants 60 rue de Pied-de-Fond CS28440 79024 Niort Cedex FRANCE
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Name (including Title) of Head of Laboratory (Responsible Official):	Dr. Nicolas ETERADOSSI, Head of Ploufragan-Plouzané-Niort Laboratory
Name (including Title and Position) of OIE Reference Expert:	Dr. Virginie POISSON, Head of Paratuberculosis thematic
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
ELISA	Yes	460	40
Direct diagnostic tests		Nationally	Internationally
Real time PCR	Yes	140	
Culture	Yes	20	

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
bovine standard serum - Paratuberculosis	ELISA	Produced	155 ml	5 ml	2	☐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?

No

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
FRANCE	Update of the national sanitation protocol	participation to working group
FRANCE	Update of the national guarantee reference system	participation to working group

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
Safety analysis in methanization process		evaluation of the presence of pathogens in methanization	3 industrial methanizers	BELGIUM UNITED KINGDOM

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:
Epidemiological data collected during the collection of biological material, and during a study on Paratuberculosis in zoos

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:
Data analyzed. Awaiting drafting for submission in peer-reviewed 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: 0

b) International conferences: 2
* 15th International Association for Paratuberculosis Colloquium 2021 (April 2021) - Abstract accepted - "Detection of antibodies against Mycobacterium avium subsp. paratuberculosis in sera and bulk tank milk samples from French goat herds"; VC Thibault-Poisson, M. Thirion, L. Pineau, I. Bremaud and M. Tabouret. Postponed in June 2022 due to the global pandemic COVID-19 virus.

* ParaTB Forum 2021 - Dublin (April 2021).
Postponed in June 2022 due to the global pandemic COVID-19 virus

c) National conferences: 3
* National Professional Reference Day - Webinar - 03 march 2021

* Paratub' Day - GTV Grand-Est - 17 june 2021

* Veterinary Public Health Meeting - 01 october 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)
ISO 17025	ATTESTATION COFRAC - 17025.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
ELISA Serum	COFRAC

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

No

(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?

Yes

Purpose of the proficiency tests: [1]	Role of your Reference Laboratory (organiser/ participant)	No. participants	Participating OIE Ref. Labs/ organising OIE Ref. Lab.
Evaluation of ELISA tools (in process between 2021-2022)	Organiser	1	Argentina (participant) / France (organiser)

[1] *validation of a diagnostic protocol: specify the test; quality control of vaccines: specify the vaccine type, etc.*

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?

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
Perform ELISA for Paratuberculosis (serum samples) - Organiser	70	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East
Perform ELISA for Paratuberculosis (milk samples) - Organiser	11	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East
Perform ELISA for Paratuberculosis (serum samples) - Participant	7	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East
Perform ELISA for Paratuberculosis (milk samples) - Participant	6	☐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)
Survey for Assessment of Paratuberculose	OIE	Assessment for Paratuberculose for listing in OIE Terrestrial Code

25. Additional comments regarding your report:

Due to the global pandemic of COVID-19 virus, international meetings and exchange meetings have been postponed or canceled.

I have organized, with my colleague from Argentina, a trial between our two OIE laboratories to evaluate our ELISA diagnostic tests and our reference material. This project will run between 2021 and 2022.

We have also realized a study on Paratuberculosis in French zoos.