

WOAH Reference Laboratory Reports Activities 2025

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LABORATORY INFORMATION

*Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:	Paratuberculosis
*Address of laboratory:	ANSES - Laboratoire de Ploufragan-Plouzané-Niort, Unité Pathologie et Bien-etre des Ruminants, 60 rue de Pied-de-Fond CS28440, 79024 Niort Cedex, FRANCE
*Tel:	+33 (0)5 49.79.61.28
*E-mail address:	virginie.poisson.reseaugds@anses.fr
Website:	
*Name (including Title) of Head of Laboratory (Responsible Official):	Dr. Nicolas ETERADOSSI, Head of Ploufragan-Plouzané-Niort Laboratory
*Name (including Title and Position) of WOAH Reference Expert:	Dr. Virginie POISSON, Head of Paratuberculosis Thematic
*Which of the following defines your laboratory? Check all that apply:	Governmental

TOR1: DIAGNOSTIC METHODS

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 WOAH Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
ELISA	Yes	2880	0
Direct diagnostic tests			
Real time PCR	Yes	60	0
Culture	Yes	13	0

TOR2: REFERENCE MATERIAL

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

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOAH Members?

Yes

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient WOAH Member Countries	Country of recipients
Bovine Standard Serum Paratuberculosis	ELISA	Produced	140 ml	4 ml	2	FRANCE, THE NETHERLANDS,

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAHA Members?

TOR3: NEW PROCEDURES

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?

No

7. Did your laboratory validate diagnostic methods according to WOAHA Standards for the designated pathogen or disease?

No

8. Did your laboratory develop new vaccines for the designated pathogen or disease?

9. Did your laboratory validate vaccines according to WOAHA Standards for the designated pathogen or disease?

TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAHA Members?

No

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAHA Member?

Yes

Name of the WOAHA Member Country receiving a technical consultancy	Purpose	How the advice was provided
FRANCE	Paratuberculosis case in zoo : question on interpretation of diagnostic results and advices for the use of diagnostic tests	Phone calls and emails
FRANCE THE NETHERLANDS	Support of kit suppliers for specifications for ELISA serum kits	videoconferences, phone calls and emails
FRANCE	Support for local animal health farmers' organizations and laboratories	Phone calls, emails, visioconférences ...

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAHA Members other than the own?

No

13. In exercising your activities, have you identified any regulatory research needs* relevant for WOAHA?

No

TOR6: EPIZOOLOGICAL DATA

14. Did your Laboratory collect epidemiological data relevant to international disease control?

Yes

If the answer is yes, please provide details of the data collected:

Epidemiological data collected during national collection of biological materials

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?

Yes

If the answer is yes, please provide details of the data collected:

Data analysed and presented during French National Reference Day and during French working groups for Paratuberculosis

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

a) Articles published in peer-reviewed journals:

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"Evaluation of the reproducibility and performance characteristics of the Phagomagnetic separation (PhMS)-qPCR assay for rapidly detecting viable *Mycobacterium avium* subsp. *paratuberculosis* in bovine milk and faeces"

Irene R Grant, Iker A Sevilla, Elena Molina, Beatriz Romero Martinez, Víctor Lorente-Leal, Virginie C Thibault-Poisson, Martina Cechova, Heike Köhler
Front Vet Sci. 2025 Dec 15; 12:1677096. doi: 10.3389/fvets.2025.1677096.

b) International conferences:

c) National conferences:

1

National Professional Reference Day - Maisons-Alfort - 5 février 2025

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

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOA Members?

No

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO 17025 (01/02/2024 to 31/01/2029)	PDF	Attestation_COFRAC.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
ELISA - serum	COFRAC

20. Does your laboratory maintain a "biorisk management system" for the pathogen and the disease concerned?

Yes

Level 2 laboratory and procedures for biorisk management : access control, staff authorization, personal protective equipment, procedure for waste

TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOA?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOA?

No

TOR10: NETWORK WITH WOA REFERENCE LABORATORIES

Virginie Poisson - - FRANCE

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

Yes

24. Are you a member of a network of WOA Reference Laboratories designated for the same pathogen?

Yes

NETWORK/DISEASE	ROLE OF YOUR LABORATORY (PARTICIPANT, ORGANISER, ETC)	NO. PARTICIPANTS	PARTICIPATING WOA REF. LABS
Paratuberculosis	Co-organizer with two other labs	3	Italian, Argentine and French Reference laboratories

25. Did you organise or participate in inter-laboratory proficiency tests with WOA Reference Laboratories designated for the same pathogen during the past 2 years?

Yes

Purpose of the proficiency test:	Role of your Reference Laboratory (organiser/ participant)	No. participating Laboratories	Participating WOA Ref. Labs/ organising WOA Ref Lab
Interlaboratory test comparison	participant	3	FRANCE, ARGENTINA and ITALY (Organiser)

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

No

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOA Reference Laboratories for the same pathogen during the past 2 years?

Yes

Purpose for inter-laboratory test comparisons ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the test	WOAH Member Countries
Mycobacterium avium subsp. paratuberculosis antibody detection in serum	Participant	37	ELISA serum	BELGIUM, CZECH REPUBLIC, DENMARK, FINLAND, FRANCE, GERMANY, GREECE, IRELAND, ITALY, LITHUANIA, SOUTH AFRICA, SPAIN, SWEDEN, SWITZERLAND, THE NETHERLANDS, UNITED KINGDOM,
Mycobacterium avium subsp. paratuberculosis - Interlaboratory proficiency test - ELISA serum	Organizer	70	ELISA serum	FRANCE,
Mycobacterium avium subsp. paratuberculosis - Interlaboratory proficiency test - PCR feces	Organizer	40	Real time PCR feces	FRANCE,

TOR12: EXPERT CONSULTANTS

28. Did your laboratory place expert consultants at the disposal of WOA?

Yes

Kind of consultancy	Location	Subject (facultative)
Revision WOA Terrestrial Manual : Chapter on Paratuberculosis	visioconference meetings	Revision WOA Terrestrial Manual : Chapter on Paratuberculosis

Virginie Poisson - - FRANCE

29. Additional comments regarding your report:

Yes

Carrying out : initial control and batch control for diagnostic kits for ELISA on individual serums (14 controls)

Working on a research project : Study of pathogens (including Map) in post-digestion samples from biogaz digesters