

# WOAH Reference Laboratory Reports Activities 2022

## Activities in 2022

This report has been submitted : 25 avril 2023 16:27

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOA Reference Laboratory:</b>	Paratuberculose
<b>Address of laboratory:</b>	ANSES - Laboratoire de Ploufragan-Plouzané-Niort, Unité Pathologie et Bien-être des Ruminants, 60 rue Pied-de-Fond CS28440, 79024 Niort Cedex, FRANCE
<b>Tel.:</b>	+33 (0)5 49 79 61 28
<b>E-mail address:</b>	virginie.poisson.reseaugds@anses.fr
<b>Website:</b>	
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Dr. Nicolas ETERADOSSI, Head of Ploufragan-Plouzané-Niort Laboratory
<b>Name (including Title and Position) of WOA Reference Expert:</b>	Dr. Virginie POISSON, Head of Paratuberculosis thematic
<b>Which of the following defines your laboratory? Check all that apply:</b>	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 WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
ELISA	YES	950	
Direct diagnostic tests		Nationally	Internationally

Real time PCR	YES	480	
Culture	YES	24	

## TOR2: REFERENCE MATERIAL

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

No

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

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOA?H MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
Bovine Standard Serum - Paratuberculosis	ELISA	Produced	193 ML	4 ML	4	America Europe

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOA?H Members?

No

## 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 WOA?H Standards for the designated pathogen or disease?

No

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

No

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

No

## TOR4: DIAGNOSTIC TESTING FACILITIES

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

No

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

Yes

NAME OF THE WOA?H 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	Participation to working group

	reference system	
FRANCE	Paratuberculosis case in zoo : question on interpretation of diagnostic results and advices for the use of diagnostic tests	Phone and emails
FRANCE	Support of kit suppliers for specifications for ELISA serum kits	Visioconference and emails

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

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 national working group for sanitation protocol and guarantee

Some data awaiting drafting for submission in peer-reviewed journals

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:

0

b) International conferences:

1

*15th International Association for Paratuberculosis Colloquium 2022 (june 2022) – Poster 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*

c) National conferences:

2

\* *National Professional Reference Day – Webinar – February 2022*

\* *Animation Day for the French network of laboratories : proficiency testing*

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 H 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		ATTESTATION COFRAC - 17025.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 H?

No

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

No

## TOR10: NETWORK WITH WOA H REFERENCE LABORATORIES

23. Did your laboratory exchange information with other WOA H 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

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOA REF. LABS/ ORGANISING WOA REF. LAB.
Evaluation of ELISA tools	Organiser	1	Argentina (Participant) France (Organiser)

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

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOA REF. LABS/ ORGANISING WOA REF. LAB.
Evaluation of ELISA tools	Organiser	1	Argentina (Participant), France (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?

Yes

Purpose for inter-laboratory test comparisons <sup>1</sup>	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOA Member Countries
Mycobacterium avium subsp. paratuberculosis antibody detection in serum	Participant	50	Africa Europe
Mycobacterium avium subsp. paratuberculosis DNA detection in feces	Participant	31	Europe

## TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

Yes

*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 trial took place between 2021 and 2022.*

*We also discussed about the exchange of reference material.*

*With the Italian laboratory, newly designated as WOAHP expert for Paratuberculosis, we have just started discussions for a collaboration.*