WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 31 mai 2023 09:43

Laboratory Information

Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:	
Address of laboratory:	
Tel.:	
E-mail address:	
Website:	
Name (including Title) of Head of Laboratory (Responsible Official):	
Name (including Title and Position) of WOAH Reference Expert:	
Which of the following defines your laboratory? Check all that apply:	

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	
Indirect diagnostic tests		Nationally	Internationally
Complement fixation test (Brucella ovis)	Yes	247	35
indirect ELISA (B. ovis)	Yes	40	10
Direct diagnostic tests		Nationally	Internationally
Culture and isolation	Yes	5	0
PCR testing	Yes	11	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
B. ovis reference strains (63/290, REO198)	Culture & Identification	Produced	0	0	0	
B. ovis standard serum (EUBoSS)	B. ovis CFT	Produced	0	1	1	Europe
B. ovis positive control	B. ovis PL84	Produced	10 vials (2 mL)	3 vials (1 mL)	4	Europe
B. ovis negative serum	B. ovis i-ELISA	Produced	8 vials (0,5 mL)	0	1	Europe

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAH Members?

No

TOR3: NEW PROCEDURES

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

Yes

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

Yes

NAME OF THE NEW TEST OR DIAGNOSTIC METHOD DEVELOPED	DESCRIPTION AND REFERENCES (PUBLICATION, WEBSITE, ETC.)
High-Resolution Melting PCR	Girault, G., L. Perrot, V. Mick, C. Ponsart. 2022. « High-Resolution Melting PCR as Rapid Genotyping Tool for Brucella Species. », Microorganisms 10(2), 336. https://doi.org/10.3390/microorganisms10020336

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

No

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

No

TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

NAME OF WOAH MEMBER COUNTRY SEEKING ASSISTANCE	DATE	WHICH DIAGNOSTIC TEST USED	NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC SUPPORT	NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY DIAGNOSES
DENMARK	2022-01-03	CFT	1	
DENMARK	2022-08-01	CFT	5	
DENMARK	2022-09-01	CFT	6	
DENMARK	2022-10-03	CFT	1	
DENMARK	2022-11-01	CFT	2	0
FRANCE	2022-02-01	Bacteriology, PCR	0	13
SWEDEN	2022-05-02	CFT	4	0
SWITZERLAND	2022-11-02	CFT	12	0
SWEDEN	2022-09-01	CFT	1	0

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

No

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

Yes

Title of the study	Duration	PURPOSE OF THE STUDY	PARTNERS (INSTITUTIONS)	WOAH MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY
Coordination & conception of IDEMBRU (EU joint project)	3 years	Identification of emerging Brucella species: new threats for human and animals	APHA, ANSES, BfR, FLI, INIAV, INSA, IZSAM, NDRVMI, WBVR	BULGARIA FRANCE GERMANY ITALY PORTUGAL THE NETHERLANDS UNITED KINGDOM

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:
Contribution to EFSA and ECDC (European Food Safety Authority and European Centre for Disease Prevention and Control). 2022. The European Union One Health 2021 Zoonoses Report. EFSA Journal 2022; 20(12): 7666, 273 pp. https://doi.org/10.2903/j.efsa.2022.7666

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:
Contribution to EFSA and ECDC (European Food Safety Authority and European Centre for Disease Prevention and Control). 2022. The European Union One Health 2021 Zoonoses Report. EFSA Journal 2022; 20(12): 7666, 273 pp. https://doi.org/10.2903/j.efsa.2022.7666

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:

1
Girault G, Perrot L, Mick V, Ponsart C. "High-Resolution Melting PCR as Rapid Genotyping Tool for Brucella Species", Microorganisms, 10:336, https://doi.org/10.3390/microorganisms10020336

b) International conferences:

0

c) National conferences:

0

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

0

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

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

Yes

a) Technical visit : 0

b) Seminars : EURL for Brucellosis Workshop (Italy, September 2022 ; 41 participants)

c) Hands-on training courses: One week training session on Brucellosis : Immunology and Molecular biology (July - Azerbaijan, Turkey, Georgia)• Training session in the framework of EURL for Brucellosis at ANSES: Molecular biology: real-time PCR, HRM PCR, molecular typing (May 2022) • Training session in the framework of EURL for Brucellosis at ANSES: Immunoserology, control of reagent (ELISA kits and RB antigen) (October 2022):

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
	Azerbaijan, Turkey, Georgia : Immunology and Molecular biology	

C		5
C	EU Member states : Molecular biology: real-time PCR, HRM PCR, molecular typing (May 2022)	8
C	EU Member states : Immunoserology, control of reagent (ELISA kits)	8

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	https://www.cofrac.fr/annexes/sect1/1-2246.pdf	

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
control of reagents, ELISA, Biotyping	COFRAC (member of EA and ILAC)

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

Yes

Biorisk management system including manipulation, storage, transport of Brucella ovis

TOR9: SCIENTIFIC MEETINGS

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

No

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

No

TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES

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

Yes

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

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOAH REF. LABS/ ORGANISING WOAH REF. LAB.
Brucella PCR methods	Organizer	15	FLI (DE), IZSAM (IT)

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

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOAH REF. LABS/ ORGANISING WOAH REF. LAB.
Brucella PCR methods	Organizer	15	FLI (DE), IZSAM (IT)

26. Did your laboratory collaborate with other WOAH 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 WOAH REFERENCE LABORATORIES
EURL Workprogramme 2020-2022	Diagnostic tools and genotyping	FLI (DE), IZSAM (IT)
IDEMBRU, One Health EJP project	Emerging species of Brucella	APHA (UK), FLI (DE), IZSAM (IT)

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

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

Yes

Purpose for inter-laboratory test comparisons1	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOAH Member Countries
Brucella PCR methods	Organizer	15	Europe

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

No