

WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 25 avril 2023 15:37

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Contagious Bovine Pleuropneumonia
Address of laboratory:	CIRAD, Département BIOS TA A-117/E Campus International de Baillarguet 34398 Montpellier Cedex 5 France
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Website:	
Name (including Title) of Head of Laboratory (Responsible Official):	Dr Nathalie Vachieri
Name (including Title and Position) of WOA Reference Expert:	Dr Lucia Manso-Silvan
Which of the following defines your laboratory? Check all that apply:	EPIC: Etablissement Public à caractère Industriel et Commercial

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
CBPP cELISA (IDEXX)	Yes	7	60
Direct diagnostic tests		Nationally	Internationally
isolation	Yes		5

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
Mmm antigen	cELISA	produced/provided	58		1	Europe
CBPP cELISA kit	CBPP cELISA (IDEXX)	provided		1 kit (800 reactions)	1	Africa
CBPP CFT kit	CBPP Complement Fixation Test	produced/provided		33 kits (1000 reactions)	4	Asia and Pacific Europe
Internal reference sera	CBPP cELISA	produced/provided		3	1	Africa
Internal reference sera	CBPP Complement Fixation Test	provided		1	1	Africa
CBPP medium base and supplement	Isolation	produced/provided		2000	1	Africa
CBPP PCR kit	PCR	provided		1 kit (1000 reactions)	1	Africa
lyophilized vaccine strain	Isolation / PCR	produced/provided		1	1	Africa
CBPP PCR primers	PCR	provided		2	1	Africa
Lyophilized strain/ Mycoplasma mycoides subsp. capri	PCR negative control	produced/provided		2	1	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?

Yes

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

Yes

NAME OF THE NEW TEST OR DIAGNOSTIC METHOD DEVELOPED	DESCRIPTION AND REFERENCES (PUBLICATION, WEBSITE, ETC.)
CBPP qPCR	Ongoing validation for direct detection from lung tissues, pleural fluid and lymph-nodes and for identification of isolates

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

No

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

No

TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

NAME OF WOAHP 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
FRANCE	2022-11-17	CBPP cELISA (IDEXX)	3	
FRANCE	2022-11-28	CBPP cELISA (IDEXX)	4	
ANGOLA	2022-11-21	CBPP cELISA (IDEXX)	60	
ANGOLA	2022-11-25	Isolation	5	

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

Yes

NAME OF THE WOAHP MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
BURKINA FASO CHAD MALI MAURITANIA NIGER SENEGAL	Projet Régional d'Appui au Pastoralisme dans le Sahel (PRAPS 2)	Workshop, protocol conception and review, data analysis...
BURKINA FASO CHAD MALI NIGER	Collaboration technico-scientifique pour le contrôle et la surveillance de la PPR et de la PPCB : Comité International de la Croix Rouge (CICR), Délégation Régionale de Dakar	Virtual meetings, protocol conception and review, data analysis...
ANGOLA	CBPP diagnosis and surveillance	Laboratory support, supplies, expertise and training in the reference lab at CIRAD, then in situ; supervision of the project of a PhD student.
CHAD	Possibility of collaboration with IRED for capacity building in animal disease diagnostics	Visit to CIRAD of IRED Director

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

Yes

				WOAHP MEMBER
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Title of the study	Duration	PURPOSE OF THE STUDY	PARTNERS (INSTITUTIONS)	COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY
Projet Régional d'Appui au Pastoralisme dans le Sahel (PRAPS 2)	6 ans	Appui technique aux stratégies de contrôle de la PPCB et élaboration de protocoles de séro-monitoring pour l'évaluation des plans nationaux stratégiques	WOAH, Diverse institutions from 6 participating countries	BURKINA FASO CHAD MALI MAURITANIA NIGER SENEGAL
Collaboration technico-scientifique pour le contrôle et la surveillance de la PPR et de la PPCB	6 ans	Appui technique pour l'élaboration des protocoles vaccinaux et pour l'analyse/interprétation des données de séromonitoring pour l'évaluation des campagnes de vaccination	Comité International de la Croix Rouge (CICR) Délégation Régionale de Dakar ; diverses institutions des différent pays	BURKINA FASO CHAD MALI NIGER
DISCONTTOOLS CBPP gap analysis	6 months	CCBP research and products gap analysis	CIRAD (coordinator), international consortium	FRANCE
JPI AMR MyMIC	2 years	Standardisation of diagnostic and AMR determination tests and clinical interpretation in mycoplasmas pathogenic for animals	ANSES (coordinator) ; large international consortiumfr	FRANCE
RFOROA One health	1 year	diagnostic support	IREC, Smithsonian Institute	CHAD UNITED STATES OF AMERICA

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:

Analysis of seromonitoring data from PRAPS/WOAH project

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

No

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:

b) International conferences:

c) National conferences:

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

<https://doi.org/10.1101/2022.12.06.51927>

peTotté; Tiffany Bonnefois; Lucia Manso-Silvan (2022). Interactions between *Mycoplasma mycoides* subsp. *mycoides* and bovine macrophages under physiological conditions. Submitted to *PCI microbiology*. <https://doi.org/10.1101/2022.12.06.519279>

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

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

Yes

a) Technical visit : 4

b) Seminars : 30

c) Hands-on training courses: 3

d) Internships (> 1 month)

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
a	Angola	4
b	Burkina Faso, Mali, Mauritanie, Niger, Sénégal, Tchad	30
c	Angola	1
c	Angola	3

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	Accréditation COFRAC Essais, CIRAD n° 1-2207, portée disponible sous www.cofrac.fr	Attestation Accréditation COFRAC Essais, CIRAD n° 1-2207_Jan2023.pdf

19. Is your quality management system accredited?

Yes

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

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

Yes

Cf. Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 1.1.4

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

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?

No

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

No

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?

No

TOR12: EXPERT CONSULTANTS

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

Yes

KIND OF CONSULTANCY	Location	SUBJECT (FACULTATIVE)
CBPP ad hoc Group	virtual	Evaluation of Contagious Bovine Pleuropneumonia Status of Members

29. Additional comments regarding your report:

No