

WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 7 mars 2023 16:06

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Contagious agalactia
Address of laboratory:	Animal and Plant health Agency, Woodham Lane, New Haw, Addlestone Surrey KT15 3NB Weybridge UNITED KINGDOM
Tel.:	+442080269457
E-mail address:	Anne.Ridley@apha.gov.uk
Website:	https://www.gov.uk/government/organisations/animal-and-plant-health-agency
Name (including Title) of Head of Laboratory (Responsible Official):	David Holdsworth, Chief Executive, Animal and Plant Health Agency;
Name (including Title and Position) of WOA Reference Expert:	Dr Anne Ridley, Mycoplasma Disease Consultant and Team leader
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 WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
Mycoplasma agalactiae ELISA	YES	124	6

Mycoplasma agalactiae immunoblot	YES	60	10
Mycoplasma capricolum subsp capricolum CFT	YES	0	9
Mycoplasma capricolum subsp. capricolum immunoblot	YES	0	9
Mycoplasma mycoides subsp. capri CFT	YES	14	0
Mycoplasma mycoides subsp capri immunoblot	YES	0	9
Direct diagnostic tests		Nationally	Internationally
Mycoplasma agalactiae PCR	YES	20	11
Mycoplasma species PCR-DGGE	YES	186	27
Mycoplasma species culture	YES	185	20
Mycoplasma capricolum	YES	4	3
Mycoplasma mycoides subsp. capri	YES	4	9

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
antigen	M. mycoides capri CFT	provide	0	2ml	1	Europe
control antisera	M. mycoides subsp capri CFT	provide	0	2ml	1	Europe
antigen	M. capricolum subsp capricolum CFT	provide	0	2ml	1	Europe
control antisera	M capricolum subsp. capricolum CFT	provide	0	2ml	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?

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?

No

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

No

TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

NAME OF WOAHA 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
NIGERIA	2022-03-01	culture and PCR-DGGE with specific PCR		20

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
POLAND	Proficiency testing/blinded panel - serum	provision of tested panel. Feedback report - other communications by email
ITALY	proficiency testing / blinded panels - serum and DNA	provision of tested panel; communications by email and video conference
GEORGIA	Part of WOAHA Twinning Project - provision of advice, capacity assessment, supply of samples and methodology	video conferences, emails including supply of documented methods, visit to conferences, - ongoing
NIGERIA	testing of samples and discussion of methodology (for goat disease, including CA)	testign of provided material - confirmatory testing and discussion of results; advice regarding methods

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

Yes

			PARTNERS	WOAHA MEMBER COUNTRIES INVOLVED
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Title of the study	Duration	PURPOSE OF THE STUDY	(INSTITUTIONS)	OTHER THAN YOUR COUNTRY
Exotic Mycoplasma species: ensuring tools and capability to detect threats and reduce disease risk from incursions	4 years	Improve diagnosis and understanding of epidemiology of CA, but also assess disinfectant efficacy	IZS, Palermo, Sicily	ITALY

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:

Limited. Disease is known to be present in vast majority of countries we processed and analysed data from.

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:

0

none in present year, but three in various stages of preparation

b) International conferences:

0

Not presented in the present year

c) National conferences:

1

generalised surveillance for disease including CA talk

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

webinar

Associated with WOAHA Twinning project

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

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

Yes

a) Technical visit : As part of WOAAH Twinning project - 7

b) Seminars : As above

c) Hands-on training courses: Hands on training as part of WOAAH - 7

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, B, C	Georgia	10

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO9001	PDF	
ISO 17025	JPG	ISO17025_APHA.jpg

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
PCR-DGGE for Mycoplasma species (includes CA subgroups)	UKAS
CFT for Mycoplasma capricolum subsp capricolum	UKAS
PCR for exotic Mycoplasma spp (includes CA organisms)	UKAS
Immunoblot for exotic Mycoplasma species (includes CA organisms)	UKAS
16S rRNA full sequencing	UKAS

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

Yes

APHA holds a licence under the Specified Animal Pathogens Order 2008 (Great Britain) under which contagious agalactia causative organisms are included. This authorises holding and use of such pathogens. Structures of instruction, training and documentation are required (includes receiving of and dispatch of pathogens) and in place in compliance with this licence

TOR9: SCIENTIFIC MEETINGS

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

No

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

No

TOR10: NETWORK WITH WOAAH 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?

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOA REF. LABS/ ORGANISING WOA REF. LAB.
developed panel for serology and milk PCR/LAMP (ongoing)	participant	2	IZS Palermo

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.
M agalactiae PCR / serology	organiser	2	1

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?

Yes

TITLE OF THE PROJECT OR CONTRACT	SCOPE	NAME(S) OF RELEVANT WOA REFERENCE LABORATORIES
Exotic Mycoplasma species: ensuring tools and capability to detect threats and reduce disease risk from incursions - IZS subcontractor on this project	environmental survival, ticks as transmission routes for M. agalactiae	IZS Palermo - Istituto Zooprofilattico Sperimentale della Sicilia

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 ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOA Member Countries
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M agalactiae serology	organiser	1	Asia and Pacific
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M agalactiae PCR	organiser	1	Asia and Pacific
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TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

Yes

COVID and fallout thereof continued restricted travel which limited some activities, particularly in WOA project and with fellow WOA CA ref lab. A proposed visit by a North African country which, included some technical training relevant to CA was also cancelled