

# OIE Reference Laboratory Reports Activities

## *Activities in 2021*

**This report has been submitted : 2022-01-25 10:26:21**

<b>Name of disease (or topic) for which you are a designated OIE Reference Laboratory:</b>	Contagious agalactia
<b>Address of laboratory:</b>	New Haw, Addlestone Surrey KT15 3NB Weybridge UNITED KINGDOM
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<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Ian Hewett, Interim Chief Executive, Animal and Plant Health Agency;
<b>Name (including Title and Position) of OIE Reference Expert:</b>	Anne Ridley
<b>Which of the following defines your laboratory? Check all that apply:</b>	Governmental

**ToR 1: To use, promote and disseminate diagnostic methods validated according to OIE Standards**

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 OIE Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
Mycoplasma agalactiae ELISA	YES	276	5
Mycoplasma agalactiae immunoblot	YES	30	3
Mycoplasma capricolum subsp. capricolum CFT	YES	198	0
M. capricolum subsp. capricolum immunoblot	YES	0	0
Mycoplasma mycoides subsp. capri CFT	YES	196	0
Mycoplasma mycoides subsp. capri immunoblot	YES	8	0
Direct diagnostic tests			
Mycoplasma agalactiae PCR	YES	25	1
Mycoplasma species PCR-DGGE	YES	152	8
Mycoplasma species culture	YES	152	8
M. capricolum subsp. capricolum	YES	2	0
M. mycoides subsp. capri	YES	2	0

**ToR 2: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards.**

**To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.**

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

No

3. Did your laboratory supply standard reference reagents (non OIE-approved) and/or other diagnostic reagents to OIE Member Countries?

Yes

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient OIE Member Countries	Region of recipients
antigen	M.mycoides subsp.capri CFT	provide	0	2ml	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East
control antisera	M.mycoides subsp.capri CFT	provide	0	2ml	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East
antigen	M.capricolum subsp.capricolum CFT	provide	0	2ml	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East
control antisera	M.capricolum subsp.capricolum CFT	provide	0	2ml	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to OIE Member Countries?

No

***ToR 3: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases***

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?

No

7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?

No

***ToR 4: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries***

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?

No

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

Yes

Name of the OIE Member Country receiving a technical consultancy	Purpose	How the advice was provided
POLAND	Proficiency testing	testing of archived samples and provision of feedback by report and email
ITALY	Proficiency testing	provision of feedback by report and email
TURKEY	Proficiency testing	provision of feedback by report and email; discussion of whole genome sequencing
NIGERIA	continued communication and support following previous laboratory training	emails

**ToR 5: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations**

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	OIE Member Countries involved other than your country
Exotic and emerging bacterial diseases: towards a bacteriological centre of excellence	4 years	Improve diagnosis and understanding of CA disease	IZS, Palermo, Sicily	ITALY

**ToR 6: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases**

11. Did your Laboratory collect epizootiological data relevant to international disease control?

No

If the answer is no, please provide a brief explanation of the situation:
Disease known to be present in countries we processed and analysed data from

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?

Yes

If the answer is yes, please provide details of the data collected:
investigation of Mycoplasma agalactiae in ticks infesting sheep and goats on CA infected farms

**13. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category)**

a) Articles published in peer-reviewed journals: 2

Identification of Mycoplasma species and related organisms from ruminants in England and Wales during 2005 - 2019. BMC Vet Res. <https://bmcvetres.biomedcentral.com/articles/10.1186/s12917-021-03037-y>  
 Detection of Mycoplasma agalactiae in ticks (Rhipicephalus bursa) collected from sheep and goats in Sicily (South-Italy), an endemic area for contagious agalactia <https://doi.org/10.3390/microorganisms9112312> - 08 Nov 2021 (Defra funded project lead by CA OIE Ref lab, APHA)

b) International conferences: 1

International Organisation for Mycoplasma Conference, Tel Aviv, Israel 1-4 November 2021.

c) National conferences: 1

National Training Workshop: Sheep and Goats (presentation on Contagious agalactia and contagious caprine pleuropneumonia)

d) Other:

(Provide website address or link to appropriate information) 0

**ToR 7: To provide scientific and technical training for personnel from OIE Member Countries**

**To recommend the prescribed and alternative tests or vaccines as OIE Standards**

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

No

**ToR 8: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned**

15. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
ISO9001:2015	ISO9001 certificate 2020-2023_APHA.pdf
ISO 17025:2005	ISO17025_APHA.jpg

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
ISO9001	Lloyds Register Quality Assurance
PCR-DGGE for Mycoplasma species (includes CA subgroups)	UKAS
CFT for Mycoplasma capricolum subsp. capricolum	UKAS
PCR for exotic Mycoplasma species (includes CA organisms)	UKAS
Immunoblot for exotic Mycoplasma species (includes CA organisms)	UKAS
CFT for Mycoplasma mycoides subsp. capri	UKAS

17. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?

Yes

(See *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 1.1.4*)

**ToR 9: To organise and participate in scientific meetings on behalf of the OIE**

18. Did your laboratory organise scientific meetings on behalf of the OIE?

No

19. Did your laboratory participate in scientific meetings on behalf of the OIE?

No

**ToR 10: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results**

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

Yes

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?

Yes

Purpose of the proficiency tests: <sup>1</sup>	Role of your Reference Laboratory (organiser/ participant)	No. participants	Participating OIE Ref. Labs/ organising OIE Ref. Lab.
Mycoplasma agalactia serology	organiser	3	IZS Palermo
Mycoplasma agalactia PCR	organiser	2	IZS Palermo

<sup>1</sup> validation of a diagnostic protocol: specify the test; quality control of vaccines: specify the vaccine type, etc.

22. Did your laboratory collaborate with other OIE 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 OIE Reference Laboratories
Exotic Mycoplasma species: ensuring tools and capability to detect threats and reduce disease risk from incursions	o improve diagnosis and understanding of CA disease	IZS, Palermo, Sicily Italy

**ToR 11: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results**

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?

Yes

Note: See Interlaboratory test comparisons in: Laboratory Proficiency Testing at:

<http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing> see point 1.3

Purpose for inter-laboratory test comparisons <sup>1</sup>	No. participating laboratories	Region(s) of participating OIE Member Countries
Mycoplasma agalactiae serology comparison	2	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East



***ToR 12: To place expert consultants at the disposal of the OIE***

24. Did your laboratory place expert consultants at the disposal of the OIE?

No

25. Additional comments regarding your report:

Continued COVID travel restrictions have lead to further delays to planned technical visits, completion of joint activities and to attendance at Inter-country workshops

OIE Twinning Project application to including CA and CCPP disease agents with an emphasis in provision of cultural expertise with SLA Georgia approved.