

WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 8 mars 2023 09:34

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Contagious caprine pleuropneumonia
Address of laboratory:	Batı mah. Yunus Cd. No:2/1, 34890 Pendik/İstanbul
Tel.:	+902163901280
E-mail address:	umit.sevimli@outlook.com
Website:	https://vetkontrol.tarimorman.gov.tr/pendik
Name (including Title) of Head of Laboratory (Responsible Official):	Dr. Fahriye Saraç
Name (including Title and Position) of WOA Reference Expert:	Dr. Umit Sevimli
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
ELISA	Yes	45	0
Latex Agglutinyon	Yes	39	0

Direct diagnostic tests		Nationally	Internationally
PCR	Yes	51	0
Bacteriological culture	Yes	41	0

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
Pleural fluid	Bacteriological culture/PCR	Provide	0	1ml	1	Europe
Serum	Serologic	Provide	0	1ml	1	Europe
Mccp DNA	PCR	Produced	0	200ul		Europe

4. Did your laboratory produce vaccines?

Yes

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
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AZERBAIJAN

A Project proposal

Online (e-mail) technical support

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:

Four regions where goat breeding is the most intensive in Turkey were visited. Information about the disease was exchanged with veterinarians working in the field.

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:

Vaccines for Mycoplasma Diseases of Small Ruminants: A Neglected Area of Research
10.3390/pathogens11010075

b) International conferences:

c) National conferences:

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

Contagious caprine pleuropneumoniae infection, epidemiology, monitoring and eradication strategies
ISBN- 978-625-401-726-1

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOA 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)	
EN ISO/IEC 17025	PDF	Accreditation Certificate.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Isolation and identification of <i>Mycoplasma gallisepticum</i>	TURKAK
Diagnosis of Contagious agalactiae by PCR	TURKAK
Isolation and identification of <i>Mycoplasma meleagridis</i>	TURKAK
Diagnosis of Mccp using competitive ELISA	TURKAK
Diagnosis of <i>Mycoplasma gallisepticum</i> by Real-Time PCR	TURKAK
Diagnosis of Contagious caprine pleuropneumoniae by PCR	TURKAK

20. 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

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?

No

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?

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOA REF. LABS/ ORGANISING WOA REF. LAB.
<i>Mycoplasma</i> ring trial Proficiency			Pendik Veterinary Control

test for detection and differentiation of MCCP	Participant /Organiser APHA	?	Institute/Animal and Plant Agency (APHA)
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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 ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOA Member Countries
Determination of serological diagnosis capacity of Mccp.	Participant	1	Europe

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

Yes

- Field veterinarians were trained in 4 regions in Turkey where intensive goat breeding is carried out and information was exchanged.
- Due to the Mccp outbreak in a farm, Mccp autovaccine was prepared and administered and immunity levels were tested by ELISA.
- Dr. Hanna MARTI (Institute of Veterinary Pathology Postdoctoral Researcher at University of Zurich) a training plan on Mccp isolation and identification to be implemented in 2023.
- Laboratory researcher Veterinarian Muhammed Karahan continues his PhD project on "Evaluation of Mycoplasma capricolum subsp. capripneumoniae Strains in terms of Hydrogen Peroxide Production".