Umit Sevimli - Avian mycoplasmosis (Mycoplasma synoviae) - Türkiye

WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 8 mars 2023 09:33

Laboratory Information

<table>
<thead>
<tr>
<th>Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</th>
<th>Mycoplasma synoviae</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of laboratory:</td>
<td>Batı mah. Yunus Cd. No:2/1, 34890 Pendik/Istanbul</td>
</tr>
<tr>
<td>Tel.:</td>
<td>+902163901280</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:umit.sevimli@outlook.com">umit.sevimli@outlook.com</a></td>
</tr>
<tr>
<td>Website:</td>
<td><a href="https://vetkontrol.tarimorman.gov.tr/pendik">https://vetkontrol.tarimorman.gov.tr/pendik</a></td>
</tr>
<tr>
<td>Name (including Title) of Head of Laboratory (Responsible Official):</td>
<td>Dr. Fahriye Saraç</td>
</tr>
<tr>
<td>Name (including Title and Position) of WOAH Reference Expert:</td>
<td>Dr. Umit Sevimli</td>
</tr>
<tr>
<td>Which of the following defines your laboratory? Check all that apply:</td>
<td>Governmental</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Diagnostic Test</th>
<th>Indicated in WOAH Manual (Yes/No)</th>
<th>Total number of test performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td>Nationally</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td>Internationally</td>
</tr>
<tr>
<td>Bacteriological culture</td>
<td>Yes</td>
<td>1870</td>
</tr>
</tbody>
</table>

WOAH Reference Laboratory Reports Activities 2022

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1
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

<table>
<thead>
<tr>
<th>TYPE OF REAGENT AVAILABLE</th>
<th>RELATED DIAGNOSTIC TEST</th>
<th>PRODUCED/ PROVIDE</th>
<th>AMOUNT PRODUCED/NATIONALLY (ML, MG)</th>
<th>AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)</th>
<th>NO. OF RECIPIENT WOAH MEMBER COUNTRIES</th>
<th>COUNTRY OF RECIPIENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate test antigen</td>
<td>Plate aglutination test</td>
<td>produced</td>
<td>20ml</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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?
No

7. Did your laboratory validate diagnostic methods according to WOAH 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 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?
No

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?
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:**

Imported breeder eggs are checked for the presence of MS in accordance with Ministry Of Agriculture and Forestry rules.

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:**

The Ministry of Agriculture and Forestry has been informed about MS situation.

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:

*Isolation of Mycoplasma spp. from Geese with Pneumonia and Identification of Microbial Isolates via Molecular Methods*

DOI: 10.1590/1806-9061-2021-1522

b) International conferences:

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

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAH Members?
No

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?
19. Is your quality management system accredited?
Yes

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

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 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?
No

24. Are you a member of a network of WOAH Reference Laboratories designated for the same pathogen?
No

25. Did you organise or participate in inter-laboratory proficiency tests with WOAH Reference Laboratories designated for the same pathogen?
No

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?
No

**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

<table>
<thead>
<tr>
<th>Purpose for inter-laboratory test comparisons</th>
<th>Role of your reference laboratory (organizer/participant)</th>
<th>No. participating laboratories</th>
<th>Region(s) of participating WOAH Member Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing the diagnostic capacity of the participating laboratories.</td>
<td>Organizer</td>
<td>8</td>
<td>Europe MiddleEast</td>
</tr>
</tbody>
</table>

**TOR12: EXPERT CONSULTANTS**

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

No

29. Additional comments regarding your report:

No

- Dr. Hanna MARTI (Institute of Veterinary Pathology Postdoctoral Researcher at University of Zurich) a training plan on Mycoplasma sp. isolation and identification to be implemented in 2023.
- In 2021, the results of the national Mycoplasma synoviae survey were reported to the Ministry of Agriculture and Forestry.
- Dr. Umit Sevimli attended the meeting on “Regulation on Breeding and Hatchery Enterprises Implementation Instruction” as an expert.
- Domestic MS antigen demands were met.