WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted: 25 avril 2023 15:32

Laboratory Information

| Name of disease (or topic) for which you are a designated WOAH Reference Laboratory: | Contagious agalactia |
| Address of laboratory: | Istituto Zooprofilattico Sperimentale della Sicilia, Via G. Marinuzzi 3, 90129 Palermo, Italy |
| Tel.: | +390916565307 |
| E-mail address: | guidoruggero.loria@gmail.com |
| Website: | www.izsicilia.it |
| Name (including Title) of Head of Laboratory (Responsible Official): | Guido Ruggero Loria |
| Name (including Title and Position) of WOAH Reference Expert: | Guido Ruggero Loria |
| 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

<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></td>
<td>Nationally</td>
<td>Internationally</td>
</tr>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA Mycoplasma agalactiae</td>
<td>YES</td>
<td>96</td>
</tr>
<tr>
<td>Immunoblotting Mycoplasma agalactiae</td>
<td>YES</td>
<td>20</td>
</tr>
</tbody>
</table>
### Direct diagnostic tests

<table>
<thead>
<tr>
<th></th>
<th>Nationally</th>
<th>Internationally</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isolation</td>
<td>YES</td>
<td>1512</td>
</tr>
<tr>
<td>PCR/DGGE</td>
<td>YES</td>
<td>1434</td>
</tr>
<tr>
<td>Histopathology</td>
<td>NO</td>
<td>82</td>
</tr>
</tbody>
</table>

#### 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?
   No
4. Did your laboratory produce vaccines?
   Yes
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?
    Yes

<table>
<thead>
<tr>
<th>NAME OF THE WOAH MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY</th>
<th>PURPOSE</th>
<th>HOW THE ADVICE WAS PROVIDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOUTH SUDAN (REP. OF)</td>
<td>Support to diagnostic expertise (ERFAN project)</td>
<td>Online training, delivering procedures</td>
</tr>
</tbody>
</table>

#### TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAH Members other than the own?
    Yes
Title of the study | Duration | PURPOSE OF THE STUDY | (INSTITUTIONS) | OTHER THAN YOUR COUNTRY
--- | --- | --- | --- | ---
Investigating survival and persistence of Ensuring tools and capability to detect threats and reduce diseases risk from incursion (Project 32065) | 4 years | Risk evaluation of environmental impact of M.agalactiae | APHA Weybridge | UNITED KINGDOM

**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:

Reporting of outbreaks to National Ministry of Health

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:

Reports through scientific events (workshop, meetings)

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:

*Preliminary Study on the Host Response to Bivalent and Monovalent Autogenous Vaccines against Mycoplasma agalactiae in Dairy Sheep* (2022) HA Hussein, M Tolone, L Condorelli, P Galluzzo, R Puleio, I Vazzana, ... *Veterinary Sciences* 9 (12), 651

*Evaluating the association between blood genotype or phenotype and haemoplasma infection in UK and Italian cats* (2022) E Spada, P Galluzzo, A Torina, GR Loria, R Perego, F Grippi, V Blanda, ... *Veterinary Record*, e2282

*First Molecular Survey to Detect Mycoplasma gallisepticum and Mycoplasma synoviae in Poultry Farms in a Strategic Production District of Sicily (South-Italy)* (2022) P Galluzzo, S Migliore, L Galuppo, L Condorelli, HA Hussein, F Licitra, ... *Animals* 12 (8), 962

*New European rules introduced by regulation (EU) 2016/429 to facilitate animal trade: With great risk comes great responsibility* (2022) GR Loria, S Migliore, C Bongiorno, G Ciaccio, A Laddomada, ... *Veterinary Science* 9

*b) International conferences:

**WOAH Reference Laboratory Reports Activities 2022**
c) National conferences:

0
0

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

Online courses
ERFAN Project

**TOR7: SCIENTIFIC AND TECHNICAL TRAINING**

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAH Members?
   Yes
   a) Technical visit:
   b) Seminars: N° 4 online seminars on mycoplasma diseases diagnostic methods, surveillance and control
   c) Hands-on training courses: 0
   d) Internships (>1 month) n° 1 internship on mycoplasma diseases of veterinary importance

<table>
<thead>
<tr>
<th>Type of technical training provided (a, b, c or d)</th>
<th>Country of origin of the expert(s) provided with training</th>
<th>No. participants from the corresponding country</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>EGYPT</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOR8: QUALITY ASSURANCE**

18. Does your laboratory have a Quality Management System?
   Yes

<table>
<thead>
<tr>
<th>Quality management system adopted</th>
<th>Certificate scan (PDF, JPG, PNG format)</th>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>17025</td>
<td>ACCREDITATION CERTIFICATE (ACCREDIA)</td>
<td>ACCREDIA</td>
</tr>
<tr>
<td></td>
<td>Certificato di Accreditamento n. 0246.pdf</td>
<td></td>
</tr>
</tbody>
</table>

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 OF THE PATHOGEN; RT-PCR; ELISA</td>
<td>ACCREDIA</td>
</tr>
</tbody>
</table>

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

**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?
Yes

24. Are you a member of a network of WOAH Reference Laboratories designated for the same pathogen?
Yes

<table>
<thead>
<tr>
<th>PURPOSE OF THE PROFICIENCY TESTS: 1</th>
<th>ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/PARTICIPANT)</th>
<th>NO. PARTICIPANTS</th>
<th>PARTICIPATING WOAH REF. LABS/ ORGANISING WOAH REF. LAB.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEST EFFICIENCY FOR RT-PCR AND ELISA</td>
<td>PARTICIPANT</td>
<td>2</td>
<td>Mycoplasma Laboratory - APHA Webridge UK</td>
</tr>
</tbody>
</table>

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

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<tr>
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<td>2</td>
<td>Mycoplasma Laboratory - APHA Webridge UK</td>
</tr>
</tbody>
</table>

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?
Yes

<table>
<thead>
<tr>
<th>TITLE OF THE PROJECT OR CONTRACT</th>
<th>SCOPE</th>
<th>NAME(S) OF RELEVANT WOAH REFERENCE LABORATORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT 32065 (Ensuring tools and capability to detect threats and reduced disease risk from incursions)</td>
<td>Evaluation of M. agalactiae risk in the farm and environment</td>
<td>Mycoplasma Laboratory - APHA Weybridge UK</td>
</tr>
</tbody>
</table>

**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?
No

**TOR12: EXPERT CONSULTANTS**
28. Did your laboratory place expert consultants at the disposal of WOAH?

No

29. Additional comments regarding your report:

No