WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted: 31 mai 2023 15:59

**Laboratory Information**

| Name of disease (or topic) for which you are a designated WOAH Reference Laboratory: | Sheep pox and goat pox |
| Address of laboratory: | P.O. Box 31975/148 Hessarak Karaj Alborz IRAN |
| Tel.: | +98-26 34988575 |
| E-mail address: | int@rvsri.ac.ir |
| Website: | www.rvsri.ac.ir |
| Name (including Title) of Head of Laboratory (Responsible Official): | Director General: Dr. Ali Es-haghi |
| Name (including Title and Position) of WOAH Reference Expert: | Dr. Ali Es-haghi PhD |
| 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>
<th>Nationally</th>
<th>Internationally</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Virus Neutralisation Test(Neutralisation Index)</td>
<td>Yes</td>
<td>316</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polymerase Chain Reaction (PCR), Gene P32</td>
<td>Yes</td>
<td>12</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>PCR-RFLP, Gene, GPCR</td>
<td>Yes</td>
<td>3</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Susceptible Animal Inoculation</td>
<td>Yes</td>
<td>4</td>
<td>0</td>
<td></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 (non-WOAH-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 SUPPLIED 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>Sheep pox Reference Virus (RM/65)</td>
<td>VNT (Based on N.I.)</td>
<td>Provide</td>
<td>Own Laboratory Use</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Goat pox Reference Virus (Georgan strain)</td>
<td>VNT (Based on N.I.)</td>
<td>Provide</td>
<td>Own Laboratory Use</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>GPV Hyper immune Serum</td>
<td>VNT</td>
<td>Produced/ provide</td>
<td>30 ml</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

4. Did your laboratory produce vaccines?

Yes

5. Did your laboratory supply vaccines to WOAH Members?

Yes

<table>
<thead>
<tr>
<th>VACCINE NAME</th>
<th>AMOUNT SUPPLIED NATIONALLY</th>
<th>AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)</th>
<th>NAME OF RECIPIENT WOAH MEMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheep Pox Virus Attenuated Vaccine</td>
<td>71,272,000 Doses</td>
<td></td>
<td>AFGHANISTAN</td>
</tr>
<tr>
<td>Goat Pox Virus Attenuated Vaccine</td>
<td>27,334,000 Doses</td>
<td></td>
<td>AFGHANISTAN</td>
</tr>
<tr>
<td>Inactivated Goat Pox Vaccine</td>
<td>27,334,000 Doses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goat Pox Virus Attenuated Vaccine for LSD</td>
<td>100,000 Doses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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?
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?  
No

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:

1

_Determining the Duration of Maternal Immunity Against Sheep Pox in Lambs_

_Mohammad Hassan Ebrahimi-Jam, 1 Ali Reza Yousefi, 2 Hamid Reza Varshovi, 1 Zeynab Hedayati, 1 and Mohammad Aghaebrahimian_

_VIRAL IMMUNOLOGY_


b) International conferences:

0

c) National conferences:

0

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

0
**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?  
Yes  
<table>
<thead>
<tr>
<th>Quality management system adopted</th>
<th>Certificate scan (PDF, JPG, PNG format)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO/IEC 17025</td>
<td>JPG</td>
</tr>
<tr>
<td></td>
<td>ISO/IEC 17025 certificate (PDF, JPG, PNG format)</td>
</tr>
<tr>
<td></td>
<td>5.06.2.2_ISO17025.pdf</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>PCR</td>
<td>Analitica</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?  
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?

No

**TOR12: EXPERT CONSULTANTS**

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

No

29. Additional comments regarding your report:

Yes

1. We kindly bring your attention to the following explanation:

   Due to the retirement of our last expert (Dr. Hamid Reza Varshovi) and also our new nominee (Dr. Mohammad Hassan Ebrahimi-jam) not accepted yet, Dr. Es-Haghi as the head of the laboratory is mentioned as the expert in the beginning of the report.

2. Regarding international activities, we respectfully attract your attention to the following issues:
   - In the past few years we had no requests for technical training from other WOAH members, due to the issues caused by the covid 19
   - Unfortunately, there has been no request for diagnosis from other countries in the past few years

3. This laboratory recommends participating in the activities below:
   - Participating in inter-laboratory proficiency tests with laboratories of the WOAH.
   - Accepting the sample from other countries for confirmatory diagnosis.