

# WOAH Reference Laboratory Reports Activities 2025

This report has been submitted: 31 janvier 2026 19:15

## LABORATORY INFORMATION

<b>*Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</b>	Sheep pox and goat pox
<b>*Address of laboratory:</b>	P.O. Box 31975/148 Hessarak Karaj Alborz IRAN
<b>*Tel:</b>	+982634570038
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<b>Website:</b>	www.rvsri.ac.ir
<b>*Name (including Title) of Head of Laboratory (Responsible Official):</b>	Director General: Dr. Ali Es-haghi
<b>*Name (including Title and Position) of WOAH Reference Expert:</b>	Mohammad Hassan Ebrahimi-jam, DVM, PhD / Head of sheep & goat pox laboratory / Head of animal viral vaccines department of Razi Institute
<b>*Which of the following defines your laboratory? Check all that apply:</b>	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 WOAH Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
<b>Indirect diagnostic tests</b>			
virus neutralisation test (neutralisation index)	Yes	84	0
<b>Direct diagnostic tests</b>			
Polymerase Chain Reaction (PCR), P32 Gene	Yes	4	0
PCR - RFLP (GPCR Gene)	No	4	0
Susceptible animal inoculation	Yes	10	0

## 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

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient WOAH Member Countries	Country of recipients
Sheep pox reference virus (RM/65 strain)	VNT (based NI)	Provide	Own Laboratory Use	0	1	IRAN,
Goat pox reference	VNT (based NI)	Provide	Own Laboratory Use	0	1	IRAN,

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virus (Gorgan strain)						
GTPV Hyper Immune serum	VNT (based NI) & ELISA	Produced / Provide	Own Laboratory Use	0	1	IRAN,
Sheep pox virus RM/65 strain ( adapted on continuous cell line )	VNT (based NI)	Provide	Own Laboratory Use	0	1	IRAN,
Goat pox, Gorgan strain (adapted for continuous cell lines).	VNT (based NI)	Provide	Own Laboratory Use	0	1	IRAN,

4. Did your laboratory produce vaccines?

Yes

5. Did your laboratory supply vaccines to WOAHA Members?

Yes

Vaccine name	Amount supplied nationally (ml, mg)	Amount supplied nationally (ml, mg)	Name of recipient WOAHA Members
live attenuated sheep pox vaccine	46948000 Doses	0	IRAN
live attenuated goat pox vaccine	24356000 Doses	0	IRAN
Inactivated goat pox vaccine	37000 Doses	0	IRAN

### 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 WOAHA 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 WOAHA Standards for the designated pathogen or disease?

No

### TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAHA Members?

No

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAHA Member?

No

### TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAHA Members other than the own?

No

13. In exercising your activities, have you identified any regulatory research needs\* relevant for WOAHA?

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

Seyed Ali Mousavi Rad, Mohammad Rahim Haji Hajikolaei, Mohammad Nouri, Masoud Reza Seyfi Abad Shapouri, Mohammad Hassan Ebrahimi Jam, Masoud Ghorbanpour. "The Effect of Vitamin D on the Humoral Immune Response of Calves to the Sheeppox Virus Vaccine." Archives of Razi Institute Journal (doi: 10.32598/ARI.80.5.3611)

b) International conferences:

1

Ebrahimijam MH\*, Hedayati Z, Aghaebrahimian M, Fotouhi A, Tabriz S, Zohori H, "Sheep pox disease in imported European breeds in Iran: differentiation between the wild type and the vaccine strain." The 18<sup>th</sup> Conference of the Regional Commission for the Middle East, Larnaca, Cyprus.

c) National 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 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)	
ISO/IEC 17025	PDF	ISO17025.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
PCR	Analitica

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

Yes

The laboratory has good facilities and equipment to avoid cross-contamination. There are standard operating procedures (SOPs) that are a requirement of ISO 17025 in the laboratory. The laboratory has a system to keep confidentiality and impartiality, which is a requirement of ISO 17025.

## 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?

Yes

Title of event	Date	location	Role (speaker, presenting poster, short communications)	Title of the work presented
The 18 <sup>th</sup> Conference of the				Sheep pox disease in imported

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Regional Commission for the Middle East	2025-11-23	Larnaca, Cyprus	POSTER	European breeds in Iran: differentiation between the wild type and the vaccine strain
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## TOR10: NETWORK WITH WOAHP REFERENCE LABORATORIES

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

No

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

No

25. Did you organise or participate in inter-laboratory proficiency tests with WOAHP Reference Laboratories designated for the same pathogen during the past 2 years?

No

*Our laboratory has only organized a proficiency test in PCR with the national lab (non-WOAHP reference lab).*

*Our laboratory has reference sheep pox and goat pox viruses and antiserum so we announce our participation in inter laboratory proficiency test with WOAHP Ref. Lab.*

26. Did your laboratory collaborate with other WOAHP 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 WOAHP Reference Laboratories for the same pathogen during the past 2 years?

Yes

Purpose for inter-laboratory test comparisons <sup>1</sup>	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the test	WOAHP Member Countries
Quality control of PCR, which is a requirement of ISO17025	Organizer	1	Polymerase Chain Reaction (PCR), P32 Gene	IRAN,

## TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

Yes

*Our laboratory announces that it's ready to receive international samples for PCR and serology diagnosis, especially in Middle- East countries.*