OIE Reference Laboratory Reports Activities

Activities in 2020

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Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Sheep pox and goat pox
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Name (including Title) of Head of Laboratory (Responsible Official):	Director General: Dr. Ali Es-haghi
Name (including Title and Position) of OIE Reference Expert:	Hamid Reza Varshovi, DVM, Ph.D. Head of Sheep pox and Goat pox Reference Laboratory Head of Animal Viral vaccines Dept. of Razi Institute
Which of the following defines your laboratory? Check all that apply:	Governmental

ToR 1: To use, promote and disseminate diagnostic methods validated according to OIE Standards

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 OIE Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
Virus neutralisation test	yes	10	0
Direct diagnostic tests		Nationally	Internationally
Polymerase chain reaction (PCR), gene p32	yes	38	0
PCR-RFLP, geneGPCR	no	18	0
VNT	yes	14	0
Susceptible animal inoculation	yes	0	0
Virus Isolation on Lamb kidney (LK) ,lamb testis (LT), and cell cultures	yes	2 test	0

ToR 2: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards.
To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by the OIE?

No

3. Did your laboratory supply standard reference reagents (non OIE-approved) and/or other diagnostic reagents to OIE Member Countries?

Yes

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient OIE Member Countries	Region of recipients
Sheep pox Reference virus (RM/65 strain)	VNT (Based on NI)	provide	own laboratory use	0	0	☐Africa ☐Americas ☐Asia and Pacific ☐Europe ☐Middle East
Goat pox Reference virus (Georgian strain	VNT (Based on NI)	provide	own laboratory use	0	0	☐Africa ☐Americas ☐Asia and Pacific ☐Europe ☐Middle East
GPV Hyperimmune Serum	VNT	Produced/ provide	28	0	0	☐Africa ☐Americas ☐Asia and Pacific ☐Europe ☐Middle East
GPV antigen	Antibody Detection	Produced/ provide	25	0	0	☐Africa ☐Americas ☐Asia and Pacific ☐Europe ☐Middle East

4. Did your laboratory produce vaccines?

Yes

5. Did your laboratory supply vaccines to OIE Member Countries?

Yes

Vaccine name	Amount supplied nationally (ml, mg) (including for own use)	Amount supplied to other countries (ml, mg)	Name of recipient OIE Member Countries
Sheep Pox Virus Attenuated Vaccine	46 million doses	no during last year	AFGHANISTAN TAJIKISTAN
Goat Pox Virus Attenuated Vaccine	21million doses	no during last year	AFGHANISTAN TAJIKISTAN

ToR 3: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?

No

7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?

No

ToR 4: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?

No

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

No

ToR 5: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?

No

ToR 6: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases

11. Did your Laboratory collect epizootiological data relevant to international disease control?

No

If the answer is no, please provide a brief explanation of the situation:
The Weakness of Veterinary services and lack of collaboration between regional laboratories and epidemiology units have made it difficult to collect and share epidemiological data.

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?

No

If the answer is no, please provide a brief explanation of the situation:
There was no data due to the situation explained above.

13. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category)

a) Articles published in peer-reviewed journals: 0

b) International conferences: 0

c) National conferences: 0

d) Other:
(Provide website address or link to appropriate information) 0

ToR 7: To provide scientific and technical training for personnel from OIE Member Countries
To recommend the prescribed and alternative tests or vaccines as OIE Standards

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

No

ToR 8: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned

15. Does your laboratory have a Quality Management System?

No

Explain Quality Management System in adoption process or currently in place
ISO 17025 in the adoption process

16. Is your quality management system accredited?

No

17. 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)

ToR 9: To organise and participate in scientific meetings on behalf of the OIE

18. Did your laboratory organise scientific meetings on behalf of the OIE?

No

19. Did your laboratory participate in scientific meetings on behalf of the OIE?

No

ToR 10: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results

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

Yes

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?

No

22. Did your laboratory collaborate with other OIE Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

ToR 11: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?

No

Note: See Interlaboratory test comparisons in: Laboratory Proficiency Testing at: http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing see point 1.3

ToR 12: To place expert consultants at the disposal of the OIE

24. Did your laboratory place expert consultants at the disposal of the OIE?

No

25. Additional comments regarding your report:

I kindly bring your attention to the following issues:
1) In the past year, this laboratory has done many actions to implement the Quality Management System certified according to ISO 17025. However, the Covoid-19 situation has impeded the adoption process.
2) Regarding low international activities, there are two problems:
- There was no request for sample submission from neighboring countries to our laboratory and other OIE reference laboratories in recent years.
- The Weakness of Veterinary services and lack of laboratory and epidemiology networks in the region, due to several reasons, have made it difficult to collect and share epidemiological data.
3) This laboratory kindly declares readiness
- To accept the sample from other countries for diagnostic tests and confirmatory diagnosis.
-To participate in a network with the same OIE Reference Laboratories to organize inter-laboratory proficiency testing and collaborate on scientific research projects for the diagnosis or vaccine.
-To provide scientific and technical training on Sheep Pox and Goat Pox for laboratory personnel from other countries.