

# OIE Reference Laboratory Reports Activities

## Activities in 2021

This report has been submitted : 2022-03-02 15:50:12

<b>Name of disease (or topic) for which you are a designated OIE Reference Laboratory:</b>	Rabies
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<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Boris Yakobson Marina Ingore
<b>Name (including Title and Position) of OIE Reference Expert:</b>	Boris Yakobson
<b>Which of the following defines your laboratory? Check all that apply:</b>	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	
		Nationally	Internationally
Indirect diagnostic tests		Nationally	Internationally
RFFIT	Yes	4002	135
Direct diagnostic tests		Nationally	Internationally
FAT	Yes	1112	12
Real time PCR	Yes	43	
RT PCR	Yes	40	
Molecular sequencing	Yes	40	
Virus isolation	Yes	20	

**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?

No

4. Did your laboratory produce vaccines?

No

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

No

***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?

Yes

Name of the OIE Member Country receiving a technical consultancy	Purpose	How the advice was provided
JORDAN	ORV in Jordan Valley	Dispersal of 60,000 baits

***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?

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	OIE Member Countries involved other than your country
ORV Vaccine efficacy in jackals	1 year	Introduction of vaccine in use in Israel	CEVA, FLI	GERMANY

**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?

Yes

If the answer is yes, please provide details of the data collected:
Dynamic Webpage of diagnosed rabies cases <a href="https://moag.maps.arcgis.com/apps/mapviewer/index.html?webmap=3cc7babf95154a64a9f4b7bf7a0a085b">https://moag.maps.arcgis.com/apps/mapviewer/index.html?webmap=3cc7babf95154a64a9f4b7bf7a0a085b</a>

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

Yes

If the answer is yes, please provide details of the data collected:
Dynamic Webpage of diagnosed rabies cases <a href="https://moag.maps.arcgis.com/apps/mapviewer/index.html?webmap=3cc7babf95154a64a9f4b7bf7a0a085b">https://moag.maps.arcgis.com/apps/mapviewer/index.html?webmap=3cc7babf95154a64a9f4b7bf7a0a085b</a>

**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: 1

Front Vet Sci. 2021 May 10;8:650291. doi: 10.3389/fvets.2021.650291. eCollection 2021.

Short Term Safety, Immunogenicity, and Reproductive Effects of Combined Vaccination With Anti-GnRH (Gonacon) and Rabies Vaccines in Female Feral Cats.

Novak S(1), Yakobson B(2), Sorek S(1), Morgan L(1), Tal S(1), Nivy R(1), King R(3), Jaebker L(4), Eckery DC(4), Raz T(1)

b) International conferences: 0

c) National conferences: 0

d) Other:

(Provide website address or link to appropriate information) 1

Dynamic Webpage of diagnosed rabies cases

<https://moag.maps.arcgis.com/apps/mapviewer/index.html?webmap=3cc7babf95154a64a9f4b7bf7a0a085b>

**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?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
ISO 17025	Pages from AK0120-10 Rabies.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Fluorescent antibody test (FAT)	Israel Laboratory Accreditation Authority (ISRAC)
Real time polymerase chain reaction (RT-PCR)	Israel Laboratory Accreditation Authority (ISRAC)
Virus isolation in cell culture	Israel Laboratory Accreditation Authority (ISRAC)
The rapid fluorescent focus inhibition test (RFFIT)	

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?

Yes

Purpose of the proficiency tests: <sup>1</sup>	Role of your Reference Laboratory (organiser/ participant)	No. participants	Participating OIE Ref. Labs/ organising OIE Ref. Lab.
RFFIT in dogs	participant	30	ANSES, France
Rabies diagnosis	participant	30	ANSES, France

<sup>1</sup> validation of a diagnostic protocol: specify the test; quality control of vaccines: specify the vaccine type, etc.

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?

Yes

Title of the project or contract	Scope	Name(s) of relevant OIE Reference Laboratories
Rabies ORV	ORV	FLY, Germany

**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?

Yes

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

Purpose for inter-laboratory test comparisons <sup>1</sup>	No. participating laboratories	Region(s) of participating OIE Member Countries
RFFIT in human serum, Kansas State University, USA	15	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East

**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: