

OIE Reference Laboratory Reports Activities

Activities in 2019

This report has been submitted : 2020-01-15 16:26:04

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Rabies
Address of laboratory:	Kimron Veterinary Institute Veterinary Services and Animal Health P.O. Box 12 Beit Dagan 50250 ISRAEL
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Name (including Title) of Head of Laboratory (Responsible Official):	Boris Yakobson
Name (including Title and Position) of OIE Reference Expert:	Boris Yakobson
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	
		Nationally	Internationally
Indirect diagnostic tests		Nationally	Internationally
RFFIT animal	Yes	2921	212
RFFIT human	Yes	92	0
Direct diagnostic tests		Nationally	Internationally
FAT	Yes	1170	5
Real time PCR	Yes	38	0
RT- PCR	Yes	20	0
Molecular sequencing	Yes	17	0
Virus isolation	Yes	20	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?

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?

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?

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	OIE Member Countries involved other than your country
Quality in lateral flow devices commercially offered for the diagnosis of rabies	2 month	Validation of quality of diagnostic test	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:
All positive rabies cases are mapped, sequenced and phenotype analysis performed. Cases are published on web

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:
All positive cases are mapped and published on - line on web

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

Gräßer, N., Ortmann, S., Vos, A., Jakobson, B., King, R. and Böer, M, Studies on Bait Preference and Acceptance in Wolves (*Canis lupus lupus*). Israel Journal of Veterinary Medicine, Vol. 74 (4), December 2019, pp.196-203

b) International conferences: 6

Yakobson, B., King, R., Ingor, M, Michal Perry Markovich, M. and Goshen, T., Re-emergence of wildlife rabies in golden jackals (*Canis aureus*), Israel (2017-2018) RITA 30, Kansas City, USA October 28- November 1, 2019

Morgan, L., Jakobson, B., Raz, T, Stray and abandoned dog overpopulation management- Israel's unique system. 2019 ASAS-CSAS Annual Meeting and Trade Show, Tx USA, 2019.

Morgan, L., Jakobson, B., Raz, T, Stray and abandoned dog overpopulation management- Israel's unique system. 70th Annual Meeting of the European Federation of Animal Science, Belgium 2019

Morgan, L., Jakobson, B., Raz, T, A governmental national database to control dog overpopulation and rabies vaccinations. ICAM Coalition- 3rd International Conference on Dog Population Management. Kenya, 2019.

Morgan, L., Yakobson, B., Raz, T, Risk analysis for a dog to be adopted or wait for a longer time at the shelter. ICAM Coalition- 3rd International Conference on Dog Population Management. Kenya, 2019.

Yakobson, B., Morgan, L., Raz, T, Israeli governmental initiatives to support responsible dog ownership. ICAM Coalition- 3rd International Conference on Dog Population Management. Kenya, 2019.

c) National conferences: 2

Morgan L, Yakobson, B., Raz, T, Dog population in Israel, what do we know and what are the ways forward?. Veterinary Public Health training, for Israeli veterinarians. Koret School of Veterinary Medicine, Israel, 2019.

Morgan L, Yakobson, B., Raz T, Dog population management in Israel, what do we know and what do we aim for?. The governmental consulting committee for the Ministry of Agriculture. The veterinary services, Israel, 2019.

d) Other:

(Provide website address or link to appropriate information) 1

<https://moag.maps.arcgis.com/apps/webappviewer/index.html?id=7d9605faa5944f4b91f5774974b87e07>

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	AK0120-7 2_OIE.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
RFFIT	ISRAC
FAT	ISRAC
RT-PCR	ISRAC

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?

Yes

Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
GF-TADs SGE LSD 9	16-17 October	Athens, Greece	Short communication	ORV in Israel
Regional Seminar for OIE National Focal Points for Veterinary Laboratories	28-30 August	Kiev, Ukraine	Short communication	KVI status

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?

Yes

Title of the project or contract	Scope	Name(s) of relevant OIE Reference Laboratories
Evaluation of quality in lateral flow devices commercially offered for the diagnosis of rabies	Test validation	FLI

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 ¹	No. participating laboratories	Region(s) of participating OIE Member Countries
Human serum antibodies	Kansas State	<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:

