

WOAH Reference Laboratory Reports Activities 2024

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LABORATORY INFORMATION

*Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Rabies
*Address of laboratory:	Dr Staicovici 63
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*Name (including Title) of Head of Laboratory (Responsible Official):	Associate Professor Dr. Florica Barbuceanu
*Name (including Title and Position) of WOA Reference Expert:	Vlad Vuta, DVM, PhD, Head of Viral Biology and Immunology Department
*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

Diagnostic Test	Indicated in WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
ELISA	Yes	235	0
FAVN	Yes	532	448
Direct diagnostic tests		Nationally	Internationally
FAT	Yes	163	0
RTCIT	Yes	10	

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			0
RT-PCR	Yes	28	0
Sequencing	Yes	30	0

TOR2: REFERENCE MATERIAL

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

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOA?H Members?

No

4. Did your laboratory produce vaccines?

Not applicable

5. Did your laboratory supply vaccines to WOA?H Members?

Not applicable

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 WOA?H 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 WOA?H Standards for the designated pathogen or disease?

No

TOR4: DIAGNOSTIC TESTING FACILITIES

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

No

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

No

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	WOAH Member Countries involved other than your country
Study of Rabies virus	ongoing project	WGS characterization of the Rabies virus strain	EURI for Rabies NRLs for Rabies from Poland,	FRANCE MOLDOVA POLAND ROMANIA

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strain isolated in Europe		circulating in Europe	Slovakia, Hungary, Moldova, Romania	SLOVAKIA
Inter-laboratory study on rabies antibody detection in wildlife samples	2024	Analysis of sero-prevalence and bait uptake estimations in foxes after oral rabies vaccination programmes	EURL for Rabies, NRLs for Rabies from Romania, Croatia, Estonia, Greece, Latvia, Lithuania	CROATIA ESTONIA GREECE LATVIA LITHUANIA ROMANIA

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

No

TOR6: EPIZOOLOGICAL DATA

14. Did your Laboratory collect epidemiological data relevant to international disease control?

Yes

If the answer is yes, please provide details of the data collected:

Data of rabies passive surveillance collected by National Reference Laboratory

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?

Yes

If the answer is yes, please provide details of the data collected:

Data of rabies passive surveillance collected by National Reference Laboratories and sent to EURL

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:

b) International conferences:

1

c) National conferences:

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

The Epidemiological Analysis made by NRL for Rabies is sent to Central Authority every year

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 17025	ISO 17025 certificate	Nr. inregistrare anexa CA actualizata.pdf
ISO 17043	ISO 17043 certificate	IC 005 16.09.2024.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
FAT/17025	Romanian Accreditation Body (RENAR)
RTCIT/17025	Romanian Accreditation Body (RENAR)
PCR/17025	Romanian Accreditation Body (RENAR)
Sequencing/17025	Romanian Accreditation Body (RENAR)
FAVN/17025	Romanian Accreditation Body (RENAR)
DRIT/17025	Romanian Accreditation Body (RENAR)
ELISA/17025	Romanian Accreditation Body (RENAR)
Tetracycline detection/17025	Romanian Accreditation Body (RENAR)
FAT/17043	Romanian Accreditation Body (RENAR)
ELISA/17043	Romanian Accreditation Body (RENAR)
Tetracycline detection/17043	Romanian Accreditation Body (RENAR)

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

Yes

We have implemented requirements of ISO 35001:2019

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?

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Yes

Title of event	Date	location	Role (speaker, presenting poster, short communications)	Title of the work presented
Rabies in the Americas	2024-11-05	Buenos Aires	Speaker	Rabies eradication programs

TOR10: NETWORK WITH WOAHP REFERENCE LABORATORIES

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

Yes

24. Do you network (collaborate or share information) with other WOAHP Reference Laboratories designated for the same pathogen?

Yes

NETWORK/DISEASE	ROLE OF YOUR LABORATORY (PARTICIPANT, ORGANISER, ETC)	NO. PARTICIPANTS	PARTICIPATING WOAHP REF. LABS
WOAHP RABLAB network	Participant to WOAHP RABLAB network meetings	14	All WOAHP Ref. labs. for rabies

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?

Yes

Purpose of the proficiency test:	Role of your Reference Laboratory (organiser/ participant)	No. participating Laboratories	Participating WOAHP Ref. Labs/ organising WOAHP Ref Lab
INTER-LABORATORY TEST: EVALUATION OF THE PERFORMANCE CHARACTERISTICS OF PAN-LYSSAVIRUS REAL-TIME RT-PCR	participant	18	4

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?

Yes

Title of the project or contract	Scope	Name(s) of relevant WOAHP Reference Laboratories
Study of Rabies virus strain isolated in Europe	WGS characterization of the Rabies virus strain circulating in Europe	WOAHP Reference Laboratory for Rabies from FRANCE
Inter-laboratory study on rabies antibody detection in wildlife samples	Analysis of sero-prevalence and bait uptake estimations in foxes after oral rabies vaccination programmes	WOAHP Reference Laboratory for Rabies from FRANCE

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?

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Yes

Purpose for inter-laboratory test comparisons ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the test	WOAH Member Countries
Proficiency test for monitoring of effectiveness of rabies vaccination	Organizer	5	Detection of tetracycline in bones from foxes vaccinated against rabies with baits by microscopic examination (UV)	MOLDOVA,
Proficiency test for monitoring of effectiveness of rabies vaccination	Organizer	6	Detection of post-vaccination antirabies antibodies by enzyme immunoassay (ELISA)	MOLDOVA,

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

No