

# OIE Reference Laboratory Reports Activities

## *Activities in 2017*

**This report has been submitted : 2018-01-17 15:26:53**

<b>Name of disease (or topic) for which you are a designated OIE Reference Laboratory:</b>	Myxomatosis
<b>Address of laboratory:</b>	Via Antonio Bianchi 9 25124 Brescia ITALY
<b>Tel.:</b>	+39-030 22.90.298
<b>Fax:</b>	+39-030 22.90.535
<b>E-mail address:</b>	antonio.lavazza@izsler.it
<b>Website:</b>	<a href="http://www.izsler.it/izs_home_page/servizi/00003931_OIE_Reference_Laboratory_for_Myxomatosis_of_Rabbits.html">http://www.izsler.it/izs_home_page/servizi/00003931_OIE_Reference_Laboratory_for_Myxomatosis_of_Rabbits.html</a>
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Prof. Stefano Cinotti, Genarl Director
<b>Name (including Title and Position) of OIE Reference Expert:</b>	Antonio Lavazza, DVM Head Virology Unit
<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
c-ELISA	yes	225	2
Direct diagnostic tests		Nationally	Internationally
Negative staining EM	yes	62	0
Cell culture isolation	yes	0	0
Immunoperoxidase	yes	0	0
PCR	yes	249	24
Immunofluorescence	yes	0	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?

Yes

Name of OIE Member Country seeking assistance	Date (month)	No. samples received for provision of diagnostic support	No. samples received for provision of confirmatory diagnoses
UNITED STATES OF AMERICA	September	1	0
SOUTH AFRICA	June	12	0
POLAND	November	0	12
SAUDI ARABIA	June	1	0

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
POLAND	Inter-laboratory comparison tests on detection of myxoma virus DNA in animal tissues	By testing samples and commenting results obtained

**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
Study and examination of rabbit and brown hare diseases	3 year	Virological and serological studies on wild and domestic rabbit and brown hare diseases in Bulgaria	University of Forestry, Faculty of Veterinary Medicine	BULGARIA
The re-establishment of self-sustaining lowland and upland rabbit populations on Morvern as a prey base for important native predators	1 year	To check serological status in a "donor" population of rabbits	Veterinary Services, SAC Consulting	UNITED KINGDOM

**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

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

Yes

**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) 1

1. LAVAZZA A., COOKE B.D. " Lagomorphs Diseases Chapter " in: Smith A.T, Johnstone C.H. Alves P., Hackländer K. "Lagomorphs of the world" Johns Hopkins University Press, Baltimore, Maryland (USA) Web-site link: [http://www.izsler.it/izs\\_home\\_page/servizi/00003931\\_OIE\\_Reference\\_Laboratory\\_for\\_Myxomatosis\\_of\\_Rabbits.html](http://www.izsler.it/izs_home_page/servizi/00003931_OIE_Reference_Laboratory_for_Myxomatosis_of_Rabbits.html)

**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?

Yes

- a) Technical visits: 1
- b) Seminars: 0
- c) Hands-on training courses: 1
- d) Internships (>1 month): 0

Type of technical training provided (a, b, c or d)	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
c	China	4
a	Japan/Vietnam	4

**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 certified according to an International Standard?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
UNI CEI EN ISO/IEC 17025	CERTIFICATO DI ACCREDITAMENTO.pdf

16. Is your laboratory accredited by an international accreditation body?

Yes

Test for which your laboratory is accredited	Accreditation body
PCR	ILAC MRA, ACCREDIA
Serological Competitive ELISA	ILAC MRA, ACCREDIA
Immunohistochemistry	ILAC MRA, ACCREDIA
EM methods	ILAC MRA, ACCREDIA

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
85° OIE General Session	May 2017	Paris (France)	Member of Italian delagation	-

### **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?

Not applicable (Only OIE Reference Lab. designated for disease)

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?

Not applicable (Only OIE Reference Lab. designated for disease)

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?

Not applicable (Only OIE Reference Lab. designated for disease)

**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
Inter-laboratory comparison tests on detection of myxoma virus DNA in animal tissues	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" 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:

This OIE Reference Lab for Myxomatosis at IZSLER was recognised six years ago. The second year (2013) was mostly dedicated to the revision of the chapter of the OIE Terrestrial Manual that was then approved by the Standard Commission and adopted on May 2014. During the last four years we increased the number of informal contacts with laboratories of member countries for supplying PCR methods and reference samples, and for performing diagnostic tests.