OIE Reference Laboratory Reports Activities

Activities in 2018

This report has been submitted : 2019-01-22 12:48:52

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Myxomatosis
Address of laboratory:	Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna Virology UnitVia Antonio Bianchi 9 25124 Brescia ITALY
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Website:	https://www.izsler.it/izs_home_page/servizi/00003931_OIE_Reference_Laboratory_for_Myxomatosis_of_Rabbits.html
Name (including Title) of Head of Laboratory (Responsible Official):	Prof. Stefano Cinotti, General Director
Name (including Title and Position) of OIE Reference Expert:	Antonio Lavazza; DVM Head Virology Unit
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
c-ELISA	yes	58	8
Direct diagnostic tests		Nationally	Internationally
Negative staining EM	yes	27	0
Cell Culture isolation	yes	3	0
Immunoperoxidase	yesy	0	0
PCR	yes	54	0
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?

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
Internal Reference strains of Myxomatosis Rabbits Virus (wild field strain identified on 2012, isolated on cell cultures)	PCR	Produced	0	1 ml	1	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East
Positive and negative rabbit serum specific to the Rabbits Myxomatosis virus	ELISA, IF, IPMA	Produced	0	2 ml	1	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East
Serological kit	c-ELISA	produced	1	2	1	☐Africa ☐Americas ☐Asia and Pacific ☒Europe ☐Middle East

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 KINGDOM	april	8	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
UNITED KINGDOM	Interpretation of serological resulst from wild rabbits	written letter

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
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 serolgical status in a "donor" rabbit population before translocation	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: 2
MANEV I., GENOVA K., LAVAZZA A., CAPUCCI L. (2018). Humoral immune response to different routes of myxomatosis vaccine application. World Rabbit Science., 26:149-154

YON LISA, DUFF PAUL, ÃGREN ERIK, ERDELYI KAROLY, FERROGLIO EZIO, GODFROID JACQUES, HARS JEAN, HESTVIK GETE, HORTON DAN, KUIKEN THIJS, LAVAZZA ANTONIO, MARKOWSKA-DANIEL IWONA, MARTEL AN, NEIMANIS ALEKSIJA S., PASMANS FRANK, PRICE STEPHEN, RUIZ-FONS FRANCISCO, RYSER-DEGIORGIS MARIE-PIERRE, WIDEN FREDERIK, GAVIER-WIDEN DOLORES. (2019). Recent changes in infectious diseases in European wildlife. Journal Wildlife Diseases, 55(1), pp. 000–000 DOI: 10.7589/2017-07-172

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 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 MAb ELISA	ILAC MRA, ACCREDIA
Immunohistochemistry	ILAC MRA, ACCREDIA
EM negative staining 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
86° OIE General Session	May 2018	Paris	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?

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:

This OIE Reference Lab for Myxomatosis at IZSLER has been quite recently established (7 years ago). Indeed, the disease itself is not so frequently detected or has low economic impact in endemic areas.

We have firstly revised the chapter of the OIE Terrestrial Manual that was then approved by the Standard Commission and adopted on May 2014.

Nowadays we are trying to increase the number of formal and informal contacts with laboratories from member countries for supplying PCR methods and reference samples, and for performing diagnostic tests.