

OIE Reference Laboratory Reports Activities

Activities in 2020

This report has been submitted : 2020-12-23 14:30:00

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Avian mycoplasmosis (Mycoplasma gallisepticum, M. synoviae)
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Name (including Title) of Head of Laboratory (Responsible Official):	DrC. evelyn Lobo Rivero
Name (including Title and Position) of OIE Reference Expert:	Evelin Lobo Riveroi, Medico Veterinario, DrC, Jefe de MYCOLAB (laboratorio para el diagnostico de micoplasmas)
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			
0	0	0	0
Direct diagnostic tests			
Cultivo Microbiologico	si	si	no
PCR	si	si	no

**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
IRELAND	Consulta sobre uso de Kit ELISAs para el diagnóstico de micoplasmas	via e-mail
ECUADOR	estudios sobre evolución de aislamientos y cambios filogenéticos en cepas de <i>M. gallisepticum</i>	via e-mail
ANGOLA	Sobre factores de riesgos asociados a infecciones por micoplasmas	via e-mail

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?

No

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:

estudios del comportamiento epidemiológicos sobre focos de micoplasmosis aviar en Ecuador

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:

evaluar la exactitud del gen *mgc2* para las evaluaciones filogenéticas, filodinámicas y filogeográficas. Además, se describe la expansión filodinámica global de la MG y se rastreó y caracterizó el origen y la extensión del brote causado por la MG en el Ecuador. El análisis de los parámetros filogenéticos reveló que el ruido filogenético obtenido, apoyaba firmemente el uso del gen *mgc2* como marcador filogenético fiable. Además, los resultados obtenidos de las evaluaciones filodinámicas y temporales, mostraron una correlación lineal entre la distancia genética y la estructura temporal. Del análisis filodinámico se desprenden los fallos de las actuales políticas de control de la MG y se destaca la necesidad imperiosa de aplicar metodologías más sensibles de diagnóstico y vacunas más eficaces.

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

Unraveling the Global Phylogenetic and Phylogeographic Expansion of *Mycoplasma gallisepticum*: Understanding the Origin and Expansion of This Pathogen in Ecuador

Laura De la Cruz 1, Maritza Barrera 1, Liliam Rios 2, Belkis Corona-González 3, Carlos A. Bulnes 1, Adrian A.

Díaz-Sánchez 4, Jose A. Agüero 3, Evelyn Lobo-Rivero 3,5 and Lester J. Pérez 6,7,* Received: 4 July 2020;

Accepted: 18 August 2020; Published: 19 August 2020. *Pathogens* 2020, 9, 0674; doi:10.3390/pathogens9090674

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?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
ISO/IEC17025, 2017	_DSC0048.JPG

16. Is your quality management system accredited?

No

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?

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?

No

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:

durante este 2020 las actividades del laboraotrio se vieron limitadas por al situacion epidemiologica provocada por la COVID-19 con el consiguiente cierre de fronteras y aislamiento fisico y social

