

OIE Reference Laboratory Reports Activities

Activities in 2019

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Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Turkey rhinotracheitis
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Name (including Title) of Head of Laboratory (Responsible Official):	Dr. Nicolas Terradosi, DVM, PhD, Dipl ECPVS Head of Ploufragan-Plouzane-Niort ANSES Laboratory
Name (including Title and Position) of OIE Reference Expert:	Nicolas Terradosi
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
ELISA for the detection of AMPV antibodies	Yes	2608	0
Direct diagnostic tests		Nationally	Internationally
Virus isolation and propagation in vero cells	yes	163	
detection and quantification of AMPV genome by RT-qPCR and ddRT-qPCR	no	516	
Full length AMPV genome Next generation sequencing	no	0	
RT-PCR amplification + Sanger sequencing	no	12	

**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
Inactivated antigen	ELISA	produced and provided	18	0	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
Monospecific antisera	ELISA, VN, IIF	produced and provided	4	0	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

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
UNITED STATES OF AMERICA	discussion on how best to sample parakeets positive for AMPV RNA so as to have the best chance of isolating Infectious AMPV from these birds	E-mail and telephone conference
CANADA	discussion on how best to sample gulls positive for AMPV RNA	Email and telephone conference

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
Characterization of novel AMPV subgroup	to be defined	Cf title - Content under discussion	Ongoing discussions - public laboratory	UNITED STATES OF AMERICA
Charcterization of novel AMPV subgroup	to be defined	Cf title - content Under discussion title	Ongoing discussions - University	CANADA

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?

No

If the answer is no, please provide a brief explanation of the situation:

No data collected but sudden onset of disease affecting a large number of individuals was reported in 2019 with AMPVs proposed as potential new strain reported in parakeets in Florida USA, and another potential new AMPV strain detected in gulls in Newfoundland Canada

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

No

If the answer is no, please provide a brief explanation of the situation:

No, ongoing contacts for further characterization of the viruses

**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

1) Brown, P. A., C. Allee, C. Courtillon, N. Szerman, E. Lemaitre, D. Toquin, J. M. Mangart, M. Amelot, and N. Etterradosi. (2019). Host specificity of avian metapneumoviruses. Avian Pathol: 1-8.

2) Maes, P. et al. Taxonomy of the order Mononegavirales: second update 2018. Arch Virol, doi:10.1007/s00705-018-04126-4 (2019).

b) International conferences: 0

c) National conferences: 2

1) Brown P.A, Allée C, Courtillon C, Szerman N, Lemaitre E, Mangart J.M, Amelot M, Toquin D and Etterradosi N. Spécificité d'hôte chez les métapneumovirus aviaires. Journée Avicole et Cunicole d'Information et d'Echanges 17 Décembre 2019 ANSES Ploufragan.

2) Evelyne Lemaitre, Stéphanie Bougeard, Chantal Allée, Nicolas Etterradosi & Paul Alun Brown. Identification des Metapneumovirus aviaires (sous-groupes A, B, C et D) par une 5-plex digitale RT-PCR. XXIe Journées Francophones de Virologie , 28-29 mars 2019, ENS de Lyon

d) Other:

(Provide website address or link to appropriate information) 1

Book Chapter

Brown, P. and Etterradosi, N. (2019) : Avian Virology: Current Research and Future Trends. "Avian Metapneumoviruses" Chapter 4 p115-128

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)
NF EN IOS/CEI 17025	QM certificate DOC221119.pdf

16. Is your quality management system accredited?

No

17. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?

No

(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?

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 ¹	No. participating laboratories	Region(s) of participating OIE Member Countries
Participation in interlaboratory testing for detection of AMPV antibodies in serum and AMPV strain identification	31	<input checked="" type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input checked="" 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:

None