

# OIE Reference Laboratory Reports Activities

## *Activities in 2019*

**This report has been submitted : 2020-01-13 17:00:57**

<b>Name of disease (or topic) for which you are a designated OIE Reference Laboratory:</b>	Rabies
<b>Address of laboratory:</b>	Domaine de Pixérécourt B.P. 9 54220 Malzéville Cedex FRANCE
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<b>Fax:</b>	+33 (0)3 83 29 89 58
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<b>Website:</b>	<a href="https://eurl-rabies.anses.fr/en/minisite/rabies/european-union-reference-laboratory-eurl-rabies">https://eurl-rabies.anses.fr/en/minisite/rabies/european-union-reference-laboratory-eurl-rabies</a> ; <a href="https://www.anses.fr/fr">https://www.anses.fr/fr</a>
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Elodie Monchatre-Leroy
<b>Name (including Title and Position) of OIE Reference Expert:</b>	Florence Cliquet
<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			
Fluorescent antibody virus neutralisation test (FAVN test)	Yes	1647	695
Potency test of inactivated animal vaccines	Yes	27	27
Direct diagnostic tests			
Fluorescent antibody test (FAT)	Yes	898	7
Cell culture inoculation test (RTCIT)	Yes	150	7
Real time RT-PCR	Yes	284	4
Viral RNA (Real time RT-PCR and RT PCR, N and G genes)	Yes	290	81
G gene and N gene Sequencing	Yes	6	77
Rabies virus titration (titration of oral vaccines)	Yes	0	16

**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?

Yes

NOTE: Currently, there are 22 laboratories that produce Standard Reference Reagents officially recognised by the OIE for 19

diseases/pathogens. Please click the following link to the list of OIE-approved International Standard Sera: <http://www.oie.int/en/our-scientific-expertise/veterinary-products/reference-reagents/>. If the reagent is not listed on this page, it is NOT considered OIE-approved. The next two questions allow you to indicate non-OIE-approved diagnostic reagents.

OIE-approved SRR producing laboratory – Select your lab from list:

Disease	Test	Available from
Rabies	Fluorescent antibody virus neutralisation	Dr Florence Cliquet Anses Nancy, Laboratoire d'études sur la rage et la pathologie des animaux sauvages, Domaine de Pixérécourt, BP 9, 54220 Malzéville, France Tel: 33 (0)3 83.29.89.50 Fax: 33 (0)3 83.29.89.58 florence.cliquet@anses.fr

Type of reagent available	Related diagnostic test	Produced/ Supply imported	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	Name of recipient OIE Member Countries
OIE anti-rabies positive reference serum	Seroneutralisation	Produced	<input type="radio"/> <10mL <input checked="" type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	<input type="radio"/> <10mL <input type="radio"/> 10-100mL <input checked="" type="radio"/> 100-500mL <input type="radio"/> >500mL	
The OIE serum was distributed in Brazil, Cambodia, Chili, China, France, Germany, Italy, Japan, India, Lebanon, Morocco, Romania, Russia, Serbia, South Korea, Spain, Sweden, Thailand, UK, Ukraine, United Arab Emirates, USA and Vietnam.	Seroneutralisation	Produced	<input type="radio"/> <10mL <input checked="" type="radio"/> 10-100mL <input type="radio"/> 100-500mL <input type="radio"/> >500mL	<input type="radio"/> <10mL <input type="radio"/> 10-100mL <input checked="" type="radio"/> 100-500mL <input type="radio"/> >500mL	

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
Naive reference serum	Seroneutralisation	Produced	90	333	9	<input checked="" type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East
Challenge Challenge virus standard (CVS)	Seroneutralisation	Produced	0	8	4	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input checked="" 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?

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
LUXEMBOURG	March	0	1
LUXEMBOURG	April	0	1
LUXEMBOURG	May	0	1
LUXEMBOURG	June	0	1
LUXEMBOURG	September	0	1
LUXEMBOURG	November	0	1

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
LEBANON	Elaboration of a rabies strategy : Rabies surveillance and control in animals	Visits
CHINESE TAIPEI	Rabies surveillance and control in animals. OIE twining; Workshop on Quality Improvements for Rabies Serological Testing project	Visit and training
CAMBODIA	Workshop on rabies serology diagnosis	Visit and training
THAILAND	Potency test of inactivated vaccines	Visit

***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
OIE twining project	3 years	The main purpose is to improve laboratory capacity for rabies diagnosis and serology and for rabies surveillance	Animal and Health Research Institute of Taipei (Taiwan)	CHINESE TAIPEI
Evaluation of LFDs for rabies diagnosis	1 year	The objective was to compare the technical performances of different commercial LFD kits for rabies diagnosis	FLi (Germany), APHA (UK), Istituto Zooprofilattico Sperimentale delle Venezie, Viral zoonoses department (Italy), Kimron Veterinary Institute (KVI), Veterinary Services and Animal Health, (Israel), Onderstepoort Veterinary Institute (OVI), Rabies Unit, (South Africa), Centers for Disease Control and Prevention (CDC), Poxvirus and Rabies Branch (USA), Canadian Food Inspection Agency, Centre of Expertise for Rabies, (Canada)	
Impact of the wild boar on the oral vaccination efficacy	2 years	Study of rabies antibody seroprevalence in wild boars - Comparison of twoserological tests	Department of Public Health, Faculty of Veterinary Medicine, Romania	ROMANIA

***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:

Data on rabies incidence; data on rabies vaccination coverage of wildlife in the EU; data on the monitoring of rabies (serology and vaccine bait uptake) in the EU.

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:
Data on rabies incidence; data on rabies vaccination coverage of wildlife in the EU; data on the monitoring of rabies (serology and vaccine bait uptake) in the EU.

**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: 13

1. Dascalu, M.A., Wasniewski, M., Picard-Meyer, E., Servat, A., Daraban Bocaneti, F., Tanase, O.I., Velescu, E., Cliquet, F. Detection of rabies antibodies in wild boars in north-east Romania by a rabies ELISA test (2019) BMC Veterinary Research, 15 (1), art. no. 466, DOI: 10.1186/s12917-019-2209-x
2. Wasniewski, M., Laurentie, M., Rizzo, F., Servat, A., Aubert, M., Cliquet, F. Proficiency test for rabies serology: A design complying with international standards for a reliable assessment of participating laboratories (2019) PLoS neglected tropical diseases, 13 (12), p. e0007824. DOI: 10.1371/journal.pntd.0007824
3. Servat, A., Wasniewski, M., Cliquet, F. Cross-protection of inactivated rabies vaccines for veterinary use against bat lyssaviruses occurring in Europe (2019) Viruses, 11 (10), art. no. 936, DOI: 10.3390/v11100936
4. Servat, A., Robardet, E., Cliquet, F. An inter-laboratory comparison to evaluate the technical performance of rabies diagnosis lateral flow assays (2019) Journal of Virological Methods, 272, art. no. 113702, DOI: 10.1016/j.jviromet.2019.113702
5. Pfaff, F., Müller, T., Freuling, C.M., Fehlner-Gardiner, C., Nadin-Davis, S., Robardet, E., Cliquet, F., Vuta, V., Hostnik, P., Mettenleiter, T.C., Beer, M., Höper, D. In-depth genome analyses of viruses from vaccine-derived rabies cases and corresponding live-attenuated oral rabies vaccines (2019) Vaccine, 37 (33), pp. 4758-4765. DOI: 10.1016/j.vaccine.2018.01.083
6. Wangmo, K., Laven, R., Cliquet, F., Wasniewski, M., Yang, A. Comparison of antibody titres between intradermal and intramuscular rabies vaccination using inactivated vaccine in cattle in Bhutan (2019) PLoS ONE, 14 (6), art. no. e0209946, DOI: 10.1371/journal.pone.0209946
7. Bonnaud, E.M., Troupin, C., Dacheux, L., Holmes, E.C., Monchatre-Leroy, E., Tanguy, M., Bouchier, C., Cliquet, F., Barrat, J., Bourhy, H. Comparison of intra-and inter-host genetic diversity in rabies virus during experimental cross-species transmission (2019) PLoS Pathogens, 15 (6), art. no. e1007799, DOI: 10.1371/journal.ppat.1007799
8. Taylor, E., Banyard, A.C., Bourhy, H., Cliquet, F., Ertl, H., Fehlner-Gardiner, C., Horton, D.L., Mani, R.S., Müller, T., Rupprecht, C.E., Schnell, M.J., Del Rio Vilas, V., Fooks, A.R. Avoiding preventable deaths: The scourge of counterfeit rabies vaccines (2019) Vaccine, 37 (17), pp. 2285-2287. DOI: 10.1016/j.vaccine.2019.03.037
9. Picard-Meyer, E., Beven, V., Hirchaud, E., Guillaume, C., Larcher, G., Robardet, E., Servat, A., Blanchard, Y., Cliquet, F. Lleida Bat Lyssavirus isolation in *Miniopterus schreibersii* in France (2019) Zoonoses and Public Health, 66 (2), pp. 254-258. DOI: 10.1111/zph.12535
10. Robardet, E., Rieder, J., Barrat, J., Cliquet, F. Reconsidering oral rabies vaccine bait uptake evaluation at population level: A simple, noninvasive, and ethical method by fecal survey using a physical biomarker (2019) Journal of Wildlife Diseases, 55 (1), pp. 200-205. DOI: 10.7589/2018-02-045
11. Picard-Meyer, E., Peytavin de Garam, C., Schereffer, J.L., Robardet, E., Cliquet, F. Evaluation of six TaqMan RT-rtPCR kits on two thermocyclers for the reliable detection of rabies virus RNA (2019) Journal of Veterinary Diagnostic Investigation, 31 (1), pp. 47-57. DOI: 10.1177/1040638718818223
12. Robardet, E., Bosnjak, D., Englund, L., Demetriou, P., Martín, P.R., Cliquet, F. Zero endemic cases of wildlife rabies (Classical rabies virus, RABV) in the European Union by 2020: An achievable goal (2019) Tropical Medicine and Infectious Disease, 4 (4), art. no. 124, DOI: 10.3390/tropicalmed4040124
13. Hofman, M.P.G., Hayward, M.W., Heim, M., Marchand, P., Rolandsen, C.M., Mattisson, J., Urbano, F., Heurich, M., Mysterud, A., Melzheimer, J., Morellet, N., Voigt, U., Allen, B.L., Gehr, B., Rouco, C., Ullmann, W., Holand, Ø.,

Jørgensen, N.H., Steinheim, G., Cagnacci, F., Kroeschel, M., Kaczensky, P., Buuveibaatar, B., Payne, J.C., Palmegiani, I., Jerina, K., Kjellander, P., Johansson, Ö., LaPoint, S., Bayrakcismith, R., Linnell, J.D.C., Zaccaroni, M., Jorge, M.L.S., Oshima, J.E.F., Songhurst, A., Fischer, C., Mc Bride, R.T., Thompson, J.J., Streif, S., Sandfort, R., Bonenfant, C., Drouilly, M., Klapproth, M., Zinner, D., Yarnell, R., Stronza, A., Wilmott, L., Meisingset, E., Thaker, M., Vanak, A.T., Nicoloso, S., Graeber, R., Said, S., Boudreau, M.R., Devlin, A., Hoogesteijn, R., May-Junior, J.A., Nifong, J.C., Odden, J., Quigley, H.B., Tortato, F., Parker, D.M., Caso, A., Perrine, J., Tellaeché, C., Zieba, F., Zwijacz-Kozica, T., Appel, C.L., Axsom, I., Bean, W.T., Cristescu, B., Périquet, S., Teichman, K.J., Karpanty, S., Licoppe, A., Menges, V., Black, K., Scheppers, T.L., Schai-Braun, S.C., Azevedo, F.C., Lemos, F.G., Payne, A., Swanepoel, L.H., Weckworth, B.V., Berger, A., Bertassoni, A., McCulloch, G., Šustr, P., Athreya, V., Bockmuhl, D., Casaer, J., Ekori, A., Melovski, D., Richard-Hansen, C., Van De Vyver, D., Reyna-Hurtado, R., Robardet, E., Selva, N., Sergiel, A., Farhadinia, M.S., Sunde, P., Portas, R., Ambarli, H., Berzins, R., Kappeler, P.M., Mann, G.K., Pyritz, L., Bissett, C., Grant, T., Steinmetz, R., Swedell, L., Welch, R.J., Armenteras, D., Bidder, O.R., González, T.M., Rosenblatt, A., Kachel, S., Balkenhol, N. Right on track? Performance of satellite telemetry in terrestrial wildlife research (2019) PLoS ONE, 14 (5), art. no. e0216223, .DOI: 10.1371/journal.pone.0216223

b) International conferences: 12

1/ Wasniewski, M. Presentations of the FAVN test part 1, the FAVN test part 2, the cell culture, the virus production and the titre calculation and validation of the FAVN test - Man's best friend: A crossborder transdisciplinary One Health approach to rabies control in dogs in Southeast. Workshop on rabies serology diagnosis, Institut Pasteur du Cambodge, Phnom Penh, Cambodia, 21st-25th January 2019

2/ Wasniewski, M., Robardet, E., Cliquet, F. Experience from an EU-Ref Lab: mandate, responsibilities, challenges in disease diagnostic and networking. Veterinary Diagnostic Laboratory (VETLAB) Network Coordination Meeting with Directors of African and Asian Veterinary Laboratories, Vienna, Austria, 19-23 August 2019

3/ Wasniewski, M., Laurentie, M., Rizzo, F., Servat, A., Aubert, M., Cliquet, F. Proficiency tests for rabies serology : a design complying with international standards for a reliable assessment of participating laboratories - Round table : rabies serology and vaccination. 30th International conference on rabies in the Americas (RITA), Kansas City (USA), 27 October-01 November 2019

4/ Wasniewski, M., Rizzo, F., Cliquet, F. Presentation of the ISO/IEC 17025: 2017 and its implementation on rabies serological testing- 2019. Asian Symposium on Quality Improvements for Rabies Serological Testing, Taipei, Taiwan, 27 November 2019

5/ Wasniewski, M. Presentations of the FAVN test part 1, the FAVN test part 2, the cell culture, the virus production and the titre calculation and validation of the FAVN test. Workshop on Quality Improvements for Rabies Serological Testing, Taipei, Taiwan, 28 November 2019

6/ Servat, A., Robardet, E., Cliquet, F. Inter-laboratory comparison to evaluate the technical performance of rabies diagnosis Lateral Flow Assays. 11th workshop for rabies, Bucharest, Romania, 12-13 June 2019

7/ Servat, A., Robardet, E., Cliquet, F. Inter-laboratory comparison to evaluate the technical performance of rabies diagnosis Lateral Flow Assays. 30th International conference on rabies in the Americas (RITA), Kansas City (USA), 27 October-01 November 2019

8/ Robardet, E., Cliquet, F. Review of the analysis related to rabies diagnosis and follow-up of oral vaccination programmes performed in NRLS in 2018. 11th workshop for rabies, Bucharest, Romania, 12-13 June 2019

9/ Cliquet, F. La surveillance de la rage : le rôle clé du diagnostic de laboratoire. Workshop SARE sur l'élimination de la rage en Algérie, Alger, Algeria, 12-17 October 2019

10/ Cliquet, F. Dog rabies control - Vaccination of dogs. Pasteur Institute International Workshop on Surveillance and Control of Rabies, Casablanca, Morocco, 17-28 September 2019

11/ Robardet, E., Cliquet, F. KAP studies for rabies. Pasteur Institute International Workshop on Surveillance and Control of Rabies, Casablanca, Morocco, 17-28 September 2019

12/ Cliquet, F., Robardet, E. Programmes of Rabies Surveillance and Control In Europe. IX International Veterinary Congress, Svetlogorsk, Kaliningrad, Russia, 17-20 April 2019

c) National conferences: 3

1/ Picard-Meyer, E., Servat, A., Cliquet, F. Surveillance de la rage des chauves-souris en France. Réunion du



Groupe de Travail Stratégie Sanitaire, Pérols, France, 18 March 2019

2/ Picard-Meyer, E., Stroucken, N., Servat, A., Robardet, E., Cliquet, F. Surveillance de la rage des chauves-souris en France métropolitaine et actualités. IX Rencontres Chiroptères Très Grand Est, La Bresse, France, 20 October 2019

3/ Cliquet, F., Binot A. Gestion intégrée de la rage dans le cadre d'une approche One health. Colloque du réseau francophone sur les maladies tropicales négligées - Approche One health dans la lutte contre les MTN, Marseille, France, 01-02 October 2019

d) Other:

(Provide website address or link to appropriate information) 5

1/ Servat, A., Picard-Meyer, E., Cliquet, F. Bilan de la surveillance des infections à Lyssavirus chez les chiroptères en France métropolitaine: 7 cas détectés en 2018, report April 2019

2/ Wasniewski, M., Cliquet, F. Rabies serology proficiency testing report, April 2019. Report of the rabies serology EURL, October 2019

3/ Review of the analysis related to rabies diagnosis and follow up of oral vaccination performed in NRLS in 2018 Report of the rabies EURL, May 2019

4/ Robardet, E., Cliquet, F. Rabies diagnosis proficiency test report, report of the rabies EURL, October 2019

5/ Servat, A., Cliquet, F. Inter-laboratory test for rabies diagnosis : Technical evaluation of rapid kits for rabies diagnosis. Report of the rabies EURL, February 2019

***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: 6

b) Seminars: 1

c) Hands-on training courses: 6

d) Internships (>1 month): 1

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
a, c	Sri Lanka	1
a, c	Tunisia	1
a,c	Taiwan	1
a,c	Italy	1
a, c	Greece	2
a	Thailand	8
d	Nigeria	1
b, c	Cambodia	10

***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 17025	Attestation 1-2253.pdf
ISO 17043	Attestation_1-6284.pdf
ISO 17025	Audit Attestation_108_MJA0815.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Rabies virus seroneutralisation test (FAVN test)	COFRAC (since February 2008)
Rabies diagnosis (FAT)	COFRAC (since October 2012)
Rabies diagnosis (RTCIT)	COFRAC (since October 2012)
Proficiency test (organisor) for rabies serology	COFRAC (since May 2017)
Potency test of rabies inactivated vaccines for veterinary and human use (challenge test and serological test)	EDQM (since March 2008)
Potency test of rabies vaccines (live, oral) for foxes and raccoon dogs	EDQM (since January 2012)

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?

Yes

Purpose of the proficiency tests: <sup>1</sup>	Role of your Reference Laboratory (organiser/ participant)	No. participants	Participating OIE Ref. Labs/ organising OIE Ref. Lab.
Proficiency test for rabies serology (FAVN test and RFFIT)	Organiser	84	10 laboratories
Proficiency test for rabies diagnosis	Organiser	49	6 laboratories

<sup>1</sup> validation of a diagnostic protocol: specify the test; quality control of vaccines: specify the vaccine type, etc.

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?

Yes

Title of the project or contract	Scope	Name(s) of relevant OIE Reference Laboratories
Evaluation of LFDs for rabies diagnosis	The objective was to compare the technical performances of different commercial LFD kits for rabies diagnosis	FLI (Germany), APHA (UK), Kimron Veterinary Institute (KVI), Veterinary Services and Animal Health, (Israel), Onderstepoort Veterinary Institute (OVI), Rabies Unit, (South Africa), Centers for Disease Control and Prevention (CDC), Poxvirus and Rabies Branch (USA), Canadian Food Inspection Agency, Centre of Expertise for Rabies, (Canada)

***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
Proficiency test for rabies serology (FAVN test and RFFIT)	84	<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
Proficiency test for rabies diagnosis	49	<input checked="" type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input checked="" 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: