

OIE Reference Laboratory Reports Activities

Activities in 2020

This report has been submitted : 2021-01-25 19:31:00

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Equine rhinopneumonitis
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Name (including Title) of Head of Laboratory (Responsible Official):	Sarah McNicholas BBS MSc CEO
Name (including Title and Position) of OIE Reference Expert:	Professor Ann Cullinane, Head of Virology
Which of the following defines your laboratory? Check all that apply:	Other: Registered Charity

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
CFT	Yes	262	340
SNT	Yes	0	374
Direct diagnostic tests		Nationally	Internationally
Real Time PCR	Yes	1620	393
Virus isolation	Yes	1	375

**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
EHV 1 (virus antigen prep.)	CFT	Produced	0	50ml	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East
EHV 4 (virus antigen prep.)	CFT	Produced	0	50ml	1	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input 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
FRANCE	January	26	0
UNITED KINGDOM	January	5	0
FRANCE	February	3	0
UNITED KINGDOM	February	21	
FRANCE	March	5	0
UNITED KINGDOM	March	20	0
FRANCE	April	1	0
UNITED KINGDOM	April	13	0
UNITED KINGDOM	May	2	0
UNITED KINGDOM	September	1	0
UNITED KINGDOM	November	1	0
FRANCE	May	16	0
FRANCE	October	9	0
FRANCE	November	6	0
FRANCE	December	4	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 ARAB EMIRATES	ELISA	Remote
JAPAN	Accreditation	Remote
UNITED KINGDOM	Management of abortion outbreak	Remote
SOUTH AFRICA	Vaccine challenge studies	Remote
TURKEY	Pockit PCR system	Remote
POLAND	Diagnostic development	Remote

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
Concurrent vaccination regimes for young sport horses	2018-2022	To compare the serological response of weanlings to concurrent and consecutive primary vaccination against Equine Influenza virus and EHV1/4.	Hanover University	GERMANY

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:
Epidemiology of EHV abortion outbreaks

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:
Disease incidence and severity, serological and virological data, efficacy of vaccination regimes.

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

Allkofer A, Garvey M, Ryan E, Lyons R, Ryan M, Lukaseviciute G, Walsh C, Venner M, Cullinane A. Primary vaccination in foals: a comparison of the serological response to equine influenza and equine herpesvirus vaccines administered concurrently or 2 weeks apart. Arch Virol. 2021 Jan 7. doi: 10.1007/s00705-020-04846-6.

Epub ahead of print. PMID: 33410993.

b) International conferences: 1

Federation of European Equine Veterinarians Disease Surveillance Network V Summit By Videoconference
December 2020

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)
ISO17025	-The-Irish-Equine-Foundation-Ltd-151T-Cert.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Detection of EHV1 by real time PCR	INAB
Quantification of EHV1 by real time PCR	INAB
SNT 2020 certificate pending	INAB
CFT 2020 certificate pending	INAB

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?

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
Quality Assurance for PCR, SNT and CFT	2	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East
Assessing competency for PCR and CFT	2	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input 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?

Yes

Kind of consultancy	Location	Subject (facultative)
Chair	Videoconference	OIE Expert Surveillance Panel (ESP)for Equine Influenza
Chair OIE Webinar	Videoconference	THE IMPACT OF COVID-19 ON VETERINARY LABORATORIES - Challenges, Opportunities, and Innovations
Member of Biological Standards Commission (BSC)	OIE Headquarters and videoconference	International Standards for Diagnostic Tests and Vaccines
Represent BSC on Ad Hoc Group	Videoconferences	Revision of Terrestrial Code chapters regarding the collection and processing of semen of animals
Assist draft Case Definition to be presented to the Scientific Commission of the OIE.	Videoconferences	Equine influenza
Chair of FAO-OIE Advisory Group	Videoconferences	Viral evolution of SARS-CoV-2 in animals
Represent OIE on WHO Working Group	Videoconferences	WHO SARS-CoV-2 Virus Evolution
Compilation of ESP recommendations for publication in OIE Bulletin	Remote	Vaccine Composition
Consultation on OIE Biobank project	Electronic	Metadata Schema
Chair of OIE COVID-19 Advisory Group on Animal Health Laboratory Support.	Remote	Preparation of Guidance for Animal Health Laboratories engaged in supporting the Public Health response to the COVID 19 pandemic.

25. Additional comments regarding your report:

Due to the COVID pandemic many meetings were cancelled, international travel was curtailed and it was impossible to host visitors for training.