OIE Reference Laboratory Reports Activities

Activities in 2016

This report has been submitted : 2017-01-27 16:33:31

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Equine rhinopneumonitis
Address of laboratory:	Irish Equine Centre Johnstown Naas Co. Kildare IRELAND
Tel.:	+353-45 86.62.66
Fax:	+353-45 86. 62.73
E-mail address:	acullinane@irishequinecentre.ie
Website:	www.irishequinecentre.ie
Name (including Title) of Head of Laboratory (Responsible Official):	Sarah McNicholas BBS MSC Chief Executive Officer
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	
Indirect diagnostic tests		Nationally	Internationally
Complement fixation	yes	881	101
Serum neutralisation	yes	0	32
Direct diagnostic tests		Nationally	Internationally
Virus isolation	yes	19	0
Real Time PCR	yes	1632	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?

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?

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
GERMANY	April	27	0
UNITED KINGDOM	April	9	0
FRANCE	April	16	0
FRANCE	May	5	0
UNITED KINGDOM	June	33	0
FRANCE	October	8	0
FRANCE	November	3	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
GERMANY	Method for Complement Fixation	remote
BRAZIL	Advice re laboratory diagnosis of EHV Method for RT-PCR	remote
MONGOLIA	Advice re sourcing reagents for export testing	remote
SWEDEN	Advice re sampling for diagnosis of EHV neurological disease	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
evaluation of detection of equine influenza virus H3N8 subtype and equine herpesviruses 1 and 4 by insulated isothermal RT-PCR (iiRT-PCR) and PCR (iiPCR) assays respectively using the POCKITTM Nucleic Acid Analyzer	1 week	To determine if this technology was suitable to use on site at the Olympic Games and other international equestrian events	Genereach	KOREA (REP. OF)

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: 1
Gildea S, Sanchez Higgins MJ, Johnson G, Walsh C, Cullinane A. Concurrent vaccination against equine influenza and equine herpes virus - a practical approach. Influenza and Other Respiratory Viruses 2016 Sep;10(5): 433-7 doi: 10.1111/irv.12396.

b) International conferences: 3
Lower Airways Meeting, Newmarket, UK February 18th. Oral presentation:Equine Influenza and Herpesvirus Vaccination - Current Evidence for Vaccination of the Performance Horse

Participant, Chairperson and Speaker at 10th International Equine Infectious Diseases Conference,Buenos Aires, Argentina April 4th-8th.

Participant and Speaker at Federation of European Equine Veterinary Associations Disease Surveillance Network Meeting, Warsaw, Poland 30th September

c) National conferences: 2
Autumn/Winter Veterinary Lecture Series for Irish Thoroughbred Breeders Association, 8th November, Oral Presentation; Vaccination, Sales and Breeding

Annual Equine Veterinary Congress 11th November, Oral Presentation: Update on Equine Herpesvirus and Other Current Issues.

d) Other:
(Provide website address or link to appropriate information) 1
International Collating Centre, Animal Health Trust, Newmarket, UK

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: 1
b) Seminars: 1
c) Hands-on training courses: 0
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	Malaysia	1
b Tutor provided BTSF Workshop Brazil	Argentina, Brazil, Chile, Colombia, Costa Rica,Ecuador, Paraguay, Uruguay	Argentina (4), Brazil (12), Chile (6), Colombia (6), Costa Rica(2), Ecuador (2), Paraguay(4), Uruguay(4)
d	Japan	1

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

16. Is your laboratory accredited by an international accreditation body?

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

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
Veterinary Seminar Series	1st April 2016	Veterinary Faculty, Montevideo, Uruguay	Speaker	The Role of an OIE Reference Laboratory in the Control of Equine Rhinopneumonitis and Equine Influenza
BTSF Workshop on Equine Diseases	28th November - 1st December 2016	Niteroi, Rio de Janeiro,Brazil	Speaker	General principles of the OIE's High health, High Performance (HHP) horse concept and the partnership approach developed by the OIE, FEI, IFHA to facilitate international competition horse movement

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: [1]	Role of your Reference Laboratory (organiser/ participant)	No. participants	Participating OIE Ref. Labs/ organising OIE Ref. Lab.
Harmonisation of real time PCR test. Also, necessary for maintenance of IS017025 accreditation by INAB	Participant	2	IEC/AHT

[1] *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?

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?

Yes

Kind of consultancy	Location	Subject (facultative)
Review of Chapter for OIE Manual at request of Biological Standards Commission	Remote	Equine rhinopneumonitis
Revision of Health Certificate for International Movement of HHP Horses	Remote	Equine Influenza

25. Additional comments regarding your report: