

WOAH Reference Laboratory Reports Activities 2023

Activities in 2023

This report has been submitted : 28 juin 2024 12:46

Laboratory Information

Name of disease (or topic) for which you are a designated WOAHO Reference Laboratory:	Equine Rhinopneumonitis
Address of laboratory:	Irish Equine Centre, Johnstown, Naas, Co. Kildare, Ireland
Tel.:	+353866266
E-mail address:	acullinane@irishequinecentre.ie
Website:	https://irishequinecentre.ie
Name (including Title) of Head of Laboratory (Responsible Official):	Deborah Grey MBA CEO
Name (including Title and Position) of WOAHO Reference Expert:	Professor Ann Cullinane MVB PhD Head of Virology
Which of the following defines your laboratory? Check all that apply:	Registered Charity

TOR1: DIAGNOSTIC METHODS

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 WOAHO Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
CFT		196	399
VNT		0	325
ELISA		0	2
Direct diagnostic tests			
PCR		3760	102

TOR2: REFERENCE MATERIAL

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOAHO?

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOAHO Members?

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOAHO MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
Equine herpesvirus 1 (EHV1)	PCR	Produced	0	175mls	2	FRANCE, UNITED STATES OF AMERICA,
Equine herpesvirus 4 (EHV4)	PCR	Produced	0	2mls	1	EGYPT,

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAHA Members?

No

TOR3: NEW PROCEDURES

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?

No

7. Did your laboratory validate diagnostic methods according to WOAHA Standards for the designated pathogen or disease?

No

8. Did your laboratory develop new vaccines for the designated pathogen or disease?

No

9. Did your laboratory validate vaccines according to WOAHA Standards for the designated pathogen or disease?

No

TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAHA Members?

Yes

NAME OF WOAHA MEMBER COUNTRY SEEKING ASSISTANCE	DATE	WHICH DIAGNOSTIC TEST USED	NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC SUPPORT	NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY DIAGNOSES
FRANCE	2023-01-10	PCR	0	3
FRANCE	2023-01-25	PCR	0	1
UNITED KINGDOM	2023-01-03	PCR	0	1
UNITED KINGDOM	2023-01-09	PCR	0	2
UNITED KINGDOM	2023-01-27	PCR	0	5
UNITED KINGDOM	2023-02-09	Real time PCR CFT	1	1
BELGIUM	2023-03-01	Real time PCR	0	4
UNITED KINGDOM	2023-03-06	Real time PCR	0	2
HONG KONG	2023-03-16	Real time PCR CFT VNT ELISA	2	2
UNITED KINGDOM	2023-03-27	Real time PCR	0	1
BELGIUM	2023-04-21	Real time PCR	0	1
THAILAND	2023-04-21	Real time PCR VNT	10	5
UNITED KINGDOM	2023-04-26	Real time PCR	0	1
UNITED KINGDOM	2023-05-23	Real time PCR	0	1
UNITED KINGDOM	2023-05-31	Real time PCR	0	2
GERMANY	2023-08-01	Real time PCR	0	65
UNITED KINGDOM	2023-08-03	Real time PCR	0	1
UNITED KINGDOM	2023-10-26	Real time PCR	0	1
UNITED KINGDOM	2023-11-16	Real time PCR	0	1
ALGERIA	2023-05-14	CFT	399	0
ALGERIA	2023-05-14	Real time PCR	0	14

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAHA Member?

Yes

NAME OF THE WOAHA MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
EGYPT	PCR primers of EHV-1 detection	E-mail
GERMANY	PCR primers of EHV-1 detection	E-mail
SWITZERLAND	FEI - advice re cases of neurological disease	Videoconference
THAILAND	Interpretation of serology results for horses in quarantine	E-mail
UNITED STATES OF AMERICA	Validation of a POC nucleic acid test	Videoconference

ALGERIA

Interpretation of serology

E-mail

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAHA Members other than the own?

Yes

Title of the study	Duration	PURPOSE OF THE STUDY	PARTNERS (INSTITUTIONS)	WOAHA MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY
Comparison of four primary vaccination protocols	2021-2024	Compare humoral response of foals to different vaccination.	University of Hanover and Cornell College of Veterinary Medicine	GERMANY UNITED STATES OF AMERICA
Molecular Prevalence and Phylogenetic Characterization of EHV in Morocco	2021-2024	Genotyping	Institut Agronomique et Vétérinaire Hassan II	MOROCCO

13. In exercising your activities, have you identified any regulatory research needs* relevant for WOAHA?

No

TOR6: EPIZOOLOGICAL DATA

14. Did your Laboratory collect epidemiological data relevant to international disease control?

Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

Epidemiological data, virus characterisation and vaccine efficacy.

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?

Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

As above.

16. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category and list the details in the box)

a) Articles published in peer-reviewed journals:

0

b) International conferences:

1

FEEVA Surveillance Meeting - Evidence based vaccination regimes for foals.

c) National conferences:

1

Horse Sport Ireland Breeding Roadshow 2023 - Epidemiology and Control

d) Other (Provide website address or link to appropriate information):

1

<https://equinesurveillance.org>

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAHA Members?

Yes

a) Technical visit : 2

b) Seminars : 0

c) Hands-on training courses: 0

d) Internships (>1 month) 0

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	GERMANY	1
A	UNITED STATES OF AMERICA	1

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO17025	PDF	IEC ISO17025 INAB.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
CFT	INAB
VNT	INAB
real time PCR	INAB

20. Does your laboratory maintain a "biorisk management system" for the pathogen and the disease concerned?

Yes

The IEC maintains its laboratory biological risk management system in accordance with the WOAHA Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 1.1. 4. Biosafety And Biosecurity: Standard For Managing Biological Risk In The Veterinary Laboratory And Animal Facilities.

TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOAHA?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAHA?

Yes

Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
FEEVA Disease Surveillance Network VII Summit	2023-09-26	Czech Republic	Speaker	"Comparison of primary vaccination regimes for equine influenza and equine herpesvirus"

TOR10: NETWORK WITH WOAHA REFERENCE LABORATORIES

23. Did your laboratory exchange information with other WOAHA Reference Laboratories designated for the same pathogen or disease?

Yes

24. Do you network (collaborate or share information) with other WOAHA Reference Laboratories designated for the same pathogen?

Yes

NETWORK/DISEASE	ROLE OF YOUR LABORATORY (PARTICIPANT, ORGANISER, ETC)	NO. PARTICIPANTS	PARTICIPATING WOAHP REF. LABS
Equine Rhinopneumonitis	Organiser of revision of Manual Chapter	2	Maxwell H Gluck Equine Research Centre
Equine Rhinopneumonitis	Organiser - training in CFT	1	Maxwell H Gluck Equine Research Centre

25. Did you organise or participate in inter-laboratory proficiency tests with WOAHP Reference Laboratories designated for the same pathogen?

No

26. Did your laboratory collaborate with other WOAHP Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOAHP Reference Laboratories for the same pathogen?

Yes

Purpose for inter-laboratory test comparisons ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the Test	WOAHP Member Countries
Assessment of competence and maintenance of accreditation-EHV1 PCR	Organiser	2	EHV1 PCR	FRANCE,
Assessment of competence and maintenance of accreditation-CFT	Organiser	2	CFT	FRANCE,
Assessment of competence and maintenance of accreditation-VNT	Organiser	2	VNT	FRANCE,
Assessment of competence	Organiser	2	VNT	SERBIA,
Assessment of competence	Organiser	2	EHV1 PCR	HONG KONG,

TOR12: EXPERT CONSULTANTS

28. Did your laboratory place expert consultants at the disposal of WOAHP?

Yes

KIND OF CONSULTANCY	Location	SUBJECT (FACULTATIVE)
WOAHP Biological Standards Commission	WOAHP Headquarters Paris	Biannual Meetings of Commission. Reports available on WOAHP website
WOAHP Biological Standards Commission	WOAHP Headquarters Paris	Attendance at Sustainable Laboratories Expert Training Course
WOAHP General Session	Maison de La Chimie in Paris	Deputy of President of Biological Standards Commission
WOAHP Biological Standards Commission	WOAHP Headquarters Paris	Attendance at WOAHP Global Conference on Emergency Management
Ad Hoc Group	WOAHP Headquarters Paris	Emerging Diseases and Drivers of Disease Emergence in Animals
Attendance at WHO meetings	Videoconferences	Continuing evolution of SARS-CoV-2 virus and outbreaks of COVID globally.
Revision of WOAHP Manual Chapter	Remote	Equine Rhinopneumonitis
Expert Reports for WOAHP Specialist Commissions re inclusion of diseases in WOAHP list	Remote	Eastern equine encephalomyelitis, Western Equine Encephalitis, Venezuelan Equine Encephalitis and Japanese Encephalitis

29. Additional comments regarding your report: