

# WOAH Reference Laboratory Reports Activities 2022

## Activities in 2022

This report has been submitted : 24 avril 2023 16:46

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOA Reference Laboratory:</b>	Contagious Equine Metritis
<b>Address of laboratory:</b>	1920 Dayton Avenue
<b>Tel.:</b>	515-337-7551
<b>E-mail address:</b>	kristina.lantz@usda.gov
<b>Website:</b>	www.aphis.usda.gov/NVSL
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Dr. Suelee Robbe-Austermann
<b>Name (including Title and Position) of WOA Reference Expert:</b>	Dr. Kristina Lantz
<b>Which of the following defines your laboratory? Check all that apply:</b>	Governmental

### 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 WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
Complement Fixation	Yes	2070	344
Direct diagnostic tests		Nationally	Internationally
Identification of the Agent	Yes	997	46

Whole genome sequencing	No	0	0
Real-time PCR	Yes	0	1

## TOR2: REFERENCE MATERIAL

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

No

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

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOA?H MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
Modified Timoney-Shin Agar	Identification of the Agent	Both	300	0	1	America
Eugon Agar with 10% Chocolated Horse Blood	Identification of the Agent	Both	300	0	1	America

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOA?H 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 WOA?H 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 WOA?H Standards for the designated pathogen or disease?

No

## TOR4: DIAGNOSTIC TESTING FACILITIES

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

No

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

No

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

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:

NVSL works with another unit within USDA for distribution of analyzed data.

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:

NVSL works with another unit within USDA for distribution of analyzed data.

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:

2

b) International conferences:

4

c) National conferences:

1

*United States Animal Health Association and American Association of Veterinary Laboratory Diagnosticians Annual Meeting: presented as needed.*

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

3

<https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/equine/cem/contagious-equine-metritis>

## TOR7: SCIENTIFIC AND TECHNICAL TRAINING

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

No

## TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO/IEC 17025		

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Bacterial Isolation Taylorella Species	American Association for Laboratory Accreditation (A2LA)
Biochemical testing Taylorella Species	American Association for Laboratory Accreditation (A2LA)
Agglutination tests Taylorella species	American Association for Laboratory Accreditation (A2LA)
Real-time PCR Taylorella species	American Association for Laboratory Accreditation (A2LA)
16S Sequencing Taylorella species	American Association for Laboratory Accreditation (A2LA)
Whole Genome Sequencing Taylorella species	American Association for Laboratory Accreditation (A2LA)
Complement Fixation	American Association for Laboratory Accreditation (A2LA)
Proficiency Panel: Contagious Equine Metritis	American Association for Laboratory Accreditation (A2LA)

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

Yes

Biosafety, Security and Incident Response Plan and Biological Risk Assessments: NVSL-MAN-0018 and NVSL-WI-1207

## TOR9: SCIENTIFIC MEETINGS

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

No

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

No

## TOR10: NETWORK WITH WOA H REFERENCE LABORATORIES

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

No

24. Are you a member of a network of WOA H Reference Laboratories designated for the same pathogen?

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOA H REF. LABS/ ORGANISING WOA H REF. LAB.
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25. Did you organise or participate in inter-laboratory proficiency tests with WOA Reference Laboratories designated for the same pathogen?

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOA REF. LABS/ ORGANISING WOA REF. LAB.
Isolation and Identification of the Agent	Participant	1	National Veterinary Services Laboratories / Animal and Plant Health Agency (APHA) quality assurance unit (Vetqas)

26. Did your laboratory collaborate with other WOA 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 WOA Reference Laboratories for the same pathogen?

Yes

Purpose for inter-laboratory test comparisons <sup>1</sup>	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOA Member Countries
Administered by NVSL and required to conduct official testing in the U.S.; shipped internationally by request	Administered by NVSL and required to conduct official testing in the U.S.	14	America Asia and Pacific

## TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

Yes

*Some testing and activities have been impacted by the ongoing H5 2.3.4.4 HPAI outbreak affecting wild birds and poultry with sporadic spillovers into mammals; and the ongoing vigilance for SARS-CoV-2 in animals.*

*Q10: Data for this field is being tallied under question 1 in order to harmonize with other disease reports.*

*Q17: Our laboratory provides an annual training course for laboratory personnel in the United States. All personnel at laboratories in the US that perform CEM culture must attend this training. The training course was conducted in 2022 with 12 participants. Training is available for international participants on a by request basis. No international request were received in 2022.*