

WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 26 avril 2023 11:57

Laboratory Information

Name of disease (or topic) for which you are a designated WOAHO Reference Laboratory:	Classical swine fever
Address of laboratory:	1015, Arlington Street, Winnipeg. MB R3E 3M4, Canada
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E-mail address:	aruna.ambagala@inspection.gc.ca
Website:	https://inspection.canada.ca/science-and-research/our-laboratories/ncfad-winnipeg/eng/1549576575939/1549576643836
Name (including Title) of Head of Laboratory (Responsible Official):	Kathleen Hooper-McGrevy
Name (including Title and Position) of WOAHO Reference Expert:	Aruna Ambagala
Which of the following defines your laboratory? Check all that apply:	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 WOAHO Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
ELISA	Yes	6963	
NPLA	Yes	18	

Direct diagnostic tests		Nationally	Internationally
RRT-PCR	Yes	270	

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?

No

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?

Yes

NAME OF THE WOA?H MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
JAPAN	Information on monoclonal antibodies	email

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

No

TOR6: EPIZOOLOGICAL DATA

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

No

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

No

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

Strong, Rebecca et al. "Molecular Epidemiology Questions Transmission Pathways Identified During the Year 2000 Outbreak of Classical Swine Fever in the UK." Frontiers in microbiology vol. 13 909396. 28 Jun. 2022

Meek, S., Watson, T., Eory, L. et al. Stem cell-derived porcine macrophages as a new platform for studying host-pathogen interactions. BMC Biol 20, 14 (2022).

b) International conferences:

2

EPIZONE 14th Annual meeting Barcelona May 2022

Genetic tracing of an historic outbreak of classical swine fever in the UK Helen Crooke , Rebecca Strong Stephen McCleary, Sylvia Grierson, Bhudipa Choudhury, Falko Steinbach

Dendritic cell responses of live attenuated C-strain and E2 subunit (Porvac) vaccines, against classical swine fever virus Elliot Steedman, Jane Edwards, Yusmel Sordo-Puga, Stephen McCleary , Lisa Stevens, Emma Howes, Rebecca Strong, Maria Pilar Rodríguez-Moltó , Falko Steinbach , Helen Crooke

Is the trick of CSFV C strain vaccine attenuation just growing slowly? Falko Steinbach , Frederico Ferreira, Helder Nakaya, Helen Crooke

ESVV 12th International congress for veterinary virology Ghent Sept 2022

Has the attenuation of CSFV C strain vaccine just resulted in a slow growing virus? Falko Steinbach, Frederico Ferreira, Helder Nakaya, Helen Crooke

c) National conferences:

0

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

0

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

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

Yes

a) Technical visit : Two scientists from LARRSA-Guatemala were trained on CSF diagnostics at the NCFAD-Winnipeg, under the ongoing Twinning project

b) Seminars : NPLA Zoom Virtual Training using pre-recorded video clips

c) Hands-on training courses:

d) Internships (>1 month)

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
B	Guatemala	3
A	Guatemala	2

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO17025		ISO17025 Certificate.pdf
ISO9001		ISO9001 certificate 2020-2023.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
CSFV virus isolation	UKAS
CSFV /ASFV RT- PCR	UKAS
CSFV antibody ELISA	UKAS
Pestivirus comparative neutralisation assay	UKAS
CSFV antigen ELISA	UKAS

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

Yes

Licensed under the Specified Animal Pathogen Order 2008

TOR9: SCIENTIFIC MEETINGS

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

No

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

No

TOR10: NETWORK WITH WOA REFERENCE LABORATORIES

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

Yes

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

No

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.
Interlaboratory Comparison	Participant	Unknown	CReSA Centre de Recerca en Sanitat Animal

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?

No

TOR12: EXPERT CONSULTANTS

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

No

29. Additional comments regarding your report:

No