

WOAH Reference Laboratory Reports Activities

2022

Activities in 2022

This report has been submitted : 25 avril 2023 17:21

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Classical swine fever
Address of laboratory:	Animal Health Research Institute (AHRI), Division of Classical Swine Fever, 376 Chung-Cheng Rd., Tamsui District, New Taipei City, 25158 CHINESE TAIPEI
Tel.:	+886-2 2621 2111
E-mail address:	ylhuang@mail.nvri.gov.tw
Website:	https://eng.nvri.gov.tw/rwd/category.aspx?CategoryID=9zphtXMFgYo%3d
Name (including Title) of Head of Laboratory (Responsible Official):	Chia-Yi Chang: Researcher
Name (including Title and Position) of WOA Reference Expert:	Dr Yu-Liang Huang
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 WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
CSF Virus neutralization test	YES	13025	0

Direct diagnostic tests		Nationally	Internationally
CSF Virus isolation	YES	173	0
CSF Real-time RT-PCR	YES	36054	0

TOR2: REFERENCE MATERIAL

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

No

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

No

4. Did your laboratory produce vaccines?

No

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

No

TOR4: DIAGNOSTIC TESTING FACILITIES

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

No

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

No

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

Yes

Title of the study	Duration	PURPOSE OF THE STUDY	PARTNERS (INSTITUTIONS)	WOAHP MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY
The collaboration of the development of the		To strategically cooperate for fostering the	National Institute of	

agriculture and food industry in Japan and Taiwan	2020-2025	development of agricultural and food science and technology	Animal Health, NARO	JAPAN
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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:

The antigen and antibody surveillance of CSFV in domestic pigs and wild boars in Taiwan

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:

The antigen and antibody surveillance of CSFV in domestic pigs and wild boars in Taiwan

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:

0

c) National conferences:

1

Chang CY. Global situation and control of classical swine fever. November 30, 2022. Taiwan.

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

<https://eng.nvri.gov.tw/rwd/category.aspx?CategoryID=pe%2fJ4aVdaa4%3d>

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAHP 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 17025	pdf	2022_TAF.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
CSF Virus neutralization test	ILAC-TAF
CSF Virus isolation	ILAC-TAF
CSF Real-time RT-PCR	ILAC-TAF

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

Yes

TOR9: SCIENTIFIC MEETINGS

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

No

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

No

TOR10: NETWORK WITH WOAHP REFERENCE LABORATORIES

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

Yes

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

No

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

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOAHP REF. LABS/ ORGANISING WOAHP REF. LAB.
The inter-laboratory comparison test (ILCT) 2021 for Classical swine fever (CSF)	PARTICIPANT	39	Organiser: University of Veterinary Medicine Hannover, Institute of Virology EU and OIE Reference Laboratory for CSF

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?

Yes

TITLE OF THE PROJECT OR CONTRACT	SCOPE	NAME(S) OF RELEVANT WOA Reference LABORATORIES
Characterization of monoclonal antibodies against Classical Swine fever Virus	Testing of novel monoclonal antibodies against Classical Swine fever Virus using different pestivirus strains (including various genotypes of CSFV)	University of Veterinary Medicine Hannover, Institute of Virology EU and OIE Reference Laboratory for CSF
Epitope mapping of the structural protein E2 of classical swine fever virus	Target epitope characterization of monoclonals targeting CSFV E2 glycoprotein	Animal & Plant Health Agency, United Kingdom

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 ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOA Member Countries
Asia-Pacific Terrestrial Proficiency Test Program 2022	PARTICIPANT	44	Asia and Pacific

TOR12: EXPERT CONSULTANTS

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

Yes

KIND OF CONSULTANCY	Location	SUBJECT (FACULTATIVE)
To provide a consensus document of the OIE Terrestrial Manual, chapter on classical swine fever	by email	Update the Terrestrial Manual, chapter on classical swine fever

29. Additional comments regarding your report: