

# WOAH Reference Laboratory Reports Activities 2024

This report has been submitted: 24 janvier 2025 13:30

## LABORATORY INFORMATION

<b>*Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</b>	Rabies
<b>*Address of laboratory:</b>	No.376, Zhongzheng Rd., Tamsui Dist., New Taipei City 25158, Taiwan (R.O.C.)
<b>*Tel:</b>	+886226212111
<b>*E-mail address:</b>	aphsu@mail.nvri.gov.tw
<b>Website:</b>	<a href="https://eng.nvri.gov.tw/">https://eng.nvri.gov.tw/</a>
<b>*Name (including Title) of Head of Laboratory (Responsible Official):</b>	Dr. Ming-Chung Deng
<b>*Name (including Title and Position) of WOAH Reference Expert:</b>	Dr. Ai-Ping Hsu
<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 WOAH Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
Fluorescent antibody virus neutralisation test (FAVN test)	Yes	1278	0
Direct diagnostic tests		Nationally	Internationally
Fluorescent antibody test (FAT)		1031	0
RT-PCR		70	0
Real-Time RT-PCR		67	0

Virus RNA sequencing		15	0
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## 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	Preventively considering the possibility of emergency use of the oral vaccines	Updating for oral rabies vaccine used internationally via email
INDONESIA	Request for proficiency testing of rabies diagnosis	Updating the upcoming program via email
CAMBODIA	Request for proficiency testing of rabies diagnosis	Updating the upcoming program via email
BRUNEI	Request for proficiency testing of rabies diagnosis	Updating the upcoming program via email
SINGAPORE	Request for the details of PT panel in the upcoming proficiency	Updating the information of PT panel via e-mail

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testing of rabies diagnosis

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

No

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

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:

Rabies surveillance data of 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:

Publish and  
disseminate rabies epidemic data in collaboration of Animal and Plant Health Inspection Agency  
(<https://www.aphia.gov.tw/ws.php?id=10980>)

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:

1

*A proficiency testing campaign for rabies diagnosis in East and Southeast Asia within the framework of the WOAH twinning programme (under submission)*

b) International conferences:

c) National conferences:

2

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1. National meetings for Animal Epidemic Prevention Business

2. Seminar on the current status of non-animal testing (As a speaker to deliver the speech of the development of non-animal testing for rabies vaccine potency test)

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

## TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAHA 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	PDF	TAF certificate.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
FAT, FAVN	Taiwan Accreditation Foundation

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

Yes

The laboratory is built and operating according to national biorisk management system

## 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	location	Role (speaker, presenting poster, short communications)	Title of the work presented
4th Regional Meeting for Reference Centres in Asia and the Pacific	2024-07-17	Japan (Hybrid)	Speaker	Introduction to Asian Proficiency Testing for Rabies Diagnosis

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

Yes

NETWORK/DISEASE	ROLE OF YOUR LABORATORY (PARTICIPANT, ORGANISER, ETC)	NO. PARTICIPANTS	PARTICIPATING WOAHP REF. LABS
RABLAB/Rabies	Participant	14	Canada, Chinese Taipei, France, Germany, India, Israel, Italy, Korea (Rep. of), Mexico, People's Republic of China, Romania, South Africa, UK, USA

25. Did you organise or participate in inter-laboratory proficiency tests with WOAHP Reference Laboratories designated for the same pathogen during the past 2 years?

No

*The organized 2025 Asian Proficiency Testing for rabies diagnosis has begun (currently in the registration stage)*

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?

Yes

Title of the project or contract	Scope	Name(s) of relevant WOAHP Reference Laboratories
Material transfer	Material sharing in order to verify the diagnostic tests for lyssavirus	Animal and 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 WOAHP Reference Laboratories for the same pathogen during the past 2 years?

No

*Currently participating in the rabies serology proficiency test commissioned by the U.S. official*

## TOR12: EXPERT CONSULTANTS

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

Yes

Kind of consultancy	Location	Subject (facultative)
Document Reviewing	online	Reviewing Guidance for Reference Standards
Technical questions	online	Input for the operational research priorities of rabies

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29. Additional comments regarding your report:

No