

WOAH Reference Laboratory Reports Activities 2023

Activities in 2023

This report has been submitted : 28 mai 2024 10:47

Laboratory Information

Name of disease (or topic) for which you are a designated WOAHO Reference Laboratory:	Rabies
Address of laboratory:	177 Hyeoksin 8-ro Gimcheong-si Gyeongsangbuk-do 39660
Tel.:	+82 54.912.0785
E-mail address:	yangdk@korea.kr
Website:	
Name (including Title) of Head of Laboratory (Responsible Official):	Jung-hee Kim (commissioner of Animal and Plant Quarantine Agency: APQA)
Name (including Title and Position) of WOAHO Reference Expert:	Dong-Kun Yang (Senior scientist of Animal and Plant Quarantine Agency: APQA)
Which of the following defines your laboratory? Check all that apply:	

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			
Virus Neutralization test		346	0
Direct diagnostic tests		Nationally	Internationally

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?

No

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAHO 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 WOAHO 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?

Yes

NAME OF THE WOAHP MEMBER	COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
	UNITED STATES OF AMERICA	Eradication of rabies in wild animals	E-mail
	INDIA	To cooperate serological test, FAVN test	E-mail
	PHILIPPINES	To consult real time RT-PCR condition for rabies	E-mail

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

No

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

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:

Collect rabies related data from the five country(Kazakhstan, Malaysia, Vietnam, Srilanka, Philippines) and disseminate the strategy to control rabies with person in charge

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:

We disseminated epidemiological data with publication titled as Rabies neutralizing antibody titers in Korea dogs and cats intended for overseas travel

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
Rabies neutralizing antibody titers in Korea dogs (2367) and cats (894) intended for overseas travel.
 (Dong-Kun Yang et. al Korean J Vet Res 2023 63(2) e13)
Rabies vaccine development trends (ANI-Med, 2023. Summer)

b) International conferences:

0

c) National conferences:

2

- 1) Education on distributing rabies bait vaccine (Gangwon diagnostic lab)
- 2) Transfer of technical training for development of rabies serum diagnostic kit (Bionote Ltd company)

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 WOAHO Members?

Yes

- a) Technical visit : 1
- b) Seminars : 0
- c) Hands-on training courses: 12
- 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	VIETNAM	1
C	KAZAKHSTAN	3
C	MALAYSIA	2
C	VIETNAM	3
C	SRI LANKA	2
C	PHILIPPINES	2

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	KT372_Animal and Plant Quarantine Agency_Eng.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
DFA	KOLAS
RT-PCR	KOLAS
FAVN	KOLAS
ELISA	KOLAS

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

Yes

According to the ISO/IEC 17025, we manage the bio-risk.

TOR9: SCIENTIFIC MEETINGS

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

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. 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
Rabies	participant and sharing information with members	12	USA, India, England, Germany France, China, Mexico, Israel etc.

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?

No

TOR12: EXPERT CONSULTANTS

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

Yes

KIND OF CONSULTANCY	Location	SUBJECT (FACULTATIVE)
Eradication of rabies	In the world	WOAHP RABLAB meeting

29. Additional comments regarding your report:

Yes

In Republic of Korea (ROK), animal rabies has not occurred since 2014. And there are no reports of suspected rabies cases. And it is not easy to move suspected rabies samples between countries. Therefore, please note that there is no rabies antigen test in this report. When it comes to rabies vaccine, five biologic companies in ROK have produced attenuated or inactivated rabies vaccines and supplied them to animal clinics. As reported in the animal report-2022, our laboratory developed a rabies bait vaccine and transferred the technology to a vaccine manufacturer in 2023. The rabies bait vaccine on sale since March 2024.