

OIE Reference Laboratory Reports Activities

Activities in 2019

This report has been submitted : 2020-02-04 12:30:05

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Peste des petits ruminants
Address of laboratory:	369 Nanjing Road Qingdao 266032 CHINA (PEOPLES REP. OF)
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Website:	
Name (including Title) of Head of Laboratory (Responsible Official):	Dr. Zhiliang Wang
Name (including Title and Position) of OIE Reference Expert:	Zhiliang Wang
Which of the following defines your laboratory? Check all that apply:	Governmental

ToR 1: To use, promote and disseminate diagnostic methods validated according to OIE Standards

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 OIE Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests		Nationally	Internationally
C-ELISA	Yes	4200	0
Direct diagnostic tests		Nationally	Internationally
Real-time RT-PCR	Yes	4200	0
RT-PCR	Yes	35	
Partial sequencing	Yes	5	
Full genome sequencing	Yes	5	
Metagenomic	No	5	

ToR 2: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards. To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.

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

No

3. Did your laboratory supply standard reference reagents (non OIE-approved) and/or other diagnostic reagents to OIE Member Countries?

No

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to OIE Member Countries?

No

ToR 3: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?

No

7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?

Yes

Name of the new test or diagnostic method or vaccine developed	Description and References (Publication, website, etc.)
Recombinant PPR virus expressing Echinococcus granulosus EG95 antigen.	Liu et al, Development of reverse genetics system for small ruminant morbillivirus: Rescuing recombinant virus to express Echinococcus granulosus EG95 antigen. Virus Research. 2019,261:50-55

ToR 4: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?

No

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

Yes

Name of the OIE Member Country receiving a technical consultancy	Purpose	How the advice was provided
UNITED KINGDOM	Infection of PPRV in pigs.	Email
UNITED KINGDOM	OIE manual for PPR	Email
LEBANON	In need of PPR Pen-side Test Kits	Email

ToR 5: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?

No

ToR 6: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases

11. Did your Laboratory collect epizootiological data relevant to international disease control?

Yes

If the answer is yes, please provide details of the data collected:
Outbreak of PPR in other countries.

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?

Yes

If the answer is yes, please provide details of the data collected:
Outbreak of PPR in other countries.

13. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category)

a) Articles published in peer-reviewed journals: 0

b) International conferences: 0

c) National conferences: 1

Situation of PPR in the world was introduced on the National PPR surveillance meeting in Nanjing, China on 28-30 August 2019.

d) Other:

(Provide website address or link to appropriate information) 1

<http://www.cahec.cn/guojidongwuyiqingxinxi/>

ToR 7: To provide scientific and technical training for personnel from OIE Member Countries

To recommend the prescribed and alternative tests or vaccines as OIE Standards

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

Yes

- a) Technical visits: 5
- b) Seminars: 5
- c) Hands-on training courses: 5
- 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, b, c	Myanmar, Laos, Cambodia, Vietnam	5

ToR 8: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned

15. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
ISO/IEC 17025	17025□□□□□□□□cn□2024.jpg

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
PPRV RT-PCR	China National Accreditation Service for Conformity Assessment
PPRV qRT-PCR	China National Accreditation Service for Conformity Assessment
PPR c-ELISA	China National Accreditation Service for Conformity Assessment
PPR i-ELISA	China National Accreditation Service for Conformity Assessment
PPRV virus isolation	China National Accreditation Service for Conformity Assessment

17. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?

Yes

(See *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 1.1.4*)

ToR 9: To organise and participate in scientific meetings on behalf of the OIE

18. Did your laboratory organise scientific meetings on behalf of the OIE?

Yes

National/ International	Title of event	Co-organiser	Date (mm/yy)	Location	No. Participants
International	Workshop of transboundary animal diseases control in Southeast Asia.	FAO	12/2019	Qingdao	26

19. Did your laboratory participate in scientific meetings on behalf of the OIE?

Yes

Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
PPR Global Research and Expertise Network (PPR-GREN) Inaugural meeting	11/19	Nairobi, Kenya	speaker	CAHEC Activities on PPR
PPR Global Research and Expertise Network (PPR-GREN) Inaugural meeting	11/19	Nairobi, Kenya	speaker	PPR Socio-Economic Impacts in China

ToR 10: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results

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

Yes

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?

No

22. Did your laboratory collaborate with other OIE Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

ToR 11: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?

No

Note: See Interlaboratory test comparisons in: Laboratory Proficiency Testing at: <http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing> see point 1.3

ToR 12: To place expert consultants at the disposal of the OIE

24. Did your laboratory place expert consultants at the disposal of the OIE?

Yes

Kind of consultancy	Location	Subject (facultative)
Review of OIE Manual on PPR	Qingdao	Vaccine safety and efficiency test

25. Additional comments regarding your report: