

OIE Reference Laboratory Reports Activities

Activities in 2021

This report has been submitted : 2022-01-24 04:34:07

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Equine infectious anaemia
Address of laboratory:	427 Maduan Street Harbin 150001 CHINA (PEOPLES REP. OF)
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Name (including Title) of Head of Laboratory (Responsible Official):	Xiaojun Wang <input type="checkbox"/> Ph D. Professor
Name (including Title and Position) of OIE Reference Expert:	Xiaojun Wang <input type="checkbox"/> Ph D. Professor
Which of the following defines your laboratory? Check all that apply:	Academic

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			
cELISA	Yes	2776	0
AGID	Yes	253	0
Colloidal gold strip test	No	578	0
Direct diagnostic tests			
q-RT-PCR	Yes	56	0

**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?

Yes

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

No

Name of the new test or diagnostic method or vaccine developed	Description and References (Publication, website, etc.)
a universal real-time RT-PCR for the detection of equine infectious anemia virus	EIAV strains isolated from different regions of the world have high diversity in their genome. Our newly developed real-time PCR can detect all the EIAV strains with a pair of universal primers. Both the viral RNA or proviral DNA can be tested in one reaction. website: http://www.necvb.cn/product-view.php?id=8

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
KAZAKHSTAN	consulting on diagnostic method for EIA	Online training courses were provided.
ITALY	technical communication on EIA diagnosis	An online meeting were hold. Three EIA reference laboratories attended the meeting.
UNITED STATES OF AMERICA	technical communication on EIA diagnosis	An online meeting were hold. Three EIA reference laboratories attended the meeting.

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?

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	OIE Member Countries involved other than your country
Development of a rapid test for the diagnosis of salmonella abortion in horses based on monoclonal antibodies in the framework of grant financing for 2021-2023. No. AP09259983	2021-2023	development of a rapid test for salmonella abortion in horses	S.Seifullin Kazakh Agro Technical University	KAZAKHSTAN
Joint research on prevention and control of cross border animal diseases between China and Kazakhstan	2020-2023	to study epidemiology and control of equine infectious diseases	S.Seifullin Kazakh Agro Technical University	KAZAKHSTAN

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:
We regular check online information including that from OIE bulletin. There was no case of EIA worldwide this year.

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:
There was no case reported on EIA worldwide in the year 2021.

**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: 2

1. Training on Laboratory Techniques for Equine Diseases, 29-30 November 2021 via Zoom, China and Kazakhstan
2. The 3rd International Veterinary Testing and Diagnosis Conference and Asia Veterinary Medical Equipment and Pharmaceutical Exhibition, Hangzhou.

c) National conferences: 5

1. National Training course for the diagnostic techniques of equine infectious diseases, Harbin, Heilongjiang province, China. June 21-25, 2021.
2. Training course for the diagnostic technique of EIA, Zhangjiakou, Hebei province, China, July 20, 2021.
3. Training course for the diagnostic technique of EIA, Xinjiang, China, July 29, 2021.
4. Training and proficiency testing of the diagnostic technique of equine infectious diseases, Hangzhou, August 21-30, 2021
5. The first Youth Academic Forum on modern horse industry between cross-strait and Hong Kong Macao. Oct 24, 2021, Online.

d) Other:

(Provide website address or link to appropriate information) 1

<https://rr-asia.oie.int/en/>

The OIE Regional Representation for the Asia Pacific

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: 0

b) Seminars: 1

c) Hands-on training courses: 0

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
b	The Republic of Kazakhstan	28

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)
CNAS	CNAS EIA CHINA 20220124110915.jpg

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
AGID for testing EIAV antibodies	CNAS
HI test for testing EIV antibodies	CNAS

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?

No

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

No

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?

Yes

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

Purpose for inter-laboratory test comparisons ¹	No. participating laboratories	Region(s) of participating OIE Member Countries
Proficiency test for laboratories in Hangzhou EDFZ for Asia Game 2022	7	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East

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 Standards	Harbin, China	Manual- CONTAGIOUS EQUINE METRITIS Manual- Glanders

25. Additional comments regarding your report:

International activities were largely impacted by the COVID-19 pedemic. The horse movement and activiteis were reduced as well.

