This report has been submitted : 2015-04-20 09:26:48

<table>
<thead>
<tr>
<th>Name of disease (or topic) for which you are a designated OIE Reference Laboratory:</th>
<th>Porcine reproductive and respiratory syndrome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of laboratory:</td>
<td>2 Yuanmingyuan West Road Haidian District Beijing CHINA (PEOPLES REP. OF)</td>
</tr>
<tr>
<td>Tel.:</td>
<td>+86-010 62.89.12.57</td>
</tr>
<tr>
<td>Fax:</td>
<td>+86-010 62.89.35.07</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:tiankg@263.net">tiankg@263.net</a></td>
</tr>
<tr>
<td>Name (including Title) of Head of Laboratory (Responsible Official):</td>
<td>xinyan zhai</td>
</tr>
<tr>
<td>Name (including Title and Position) of OIE Reference Expert:</td>
<td>Kegong Tian</td>
</tr>
<tr>
<td>Which of the following defines your laboratory? Check all that apply:</td>
<td>Governmental</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Diagnostic Test</th>
<th>Indicated in OIE Manual (Yes/No)</th>
<th>Nationally</th>
<th>Internationally</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSIVET SUIS PRRS A/S (LSI)</td>
<td>Yes</td>
<td>2538</td>
<td>0</td>
</tr>
<tr>
<td>Porcine reproductive and respiratory syndrome virus antibody test kit (IDEXX)</td>
<td>Yes</td>
<td>893</td>
<td>0</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Real-time RT-PCR for PRRSV</td>
<td>No</td>
<td>568</td>
<td>0</td>
</tr>
<tr>
<td>Cell Culture (Marc-145)</td>
<td>Yes</td>
<td>102</td>
<td>0</td>
</tr>
</tbody>
</table>

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?
**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?

Yes

<table>
<thead>
<tr>
<th>Name of the new test or diagnostic method or vaccine developed</th>
<th>Description and References (Publication, website, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA for PRRSV</td>
<td>The peptide ELISA kit for highly pathogenic porcine reproductive and respiratory syndrome</td>
</tr>
<tr>
<td>PRRSV attenuated vaccine</td>
<td>Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Suspension Culture Thermo-stable Vaccine, Live (Strain JXA1-R)</td>
</tr>
</tbody>
</table>

**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
<table>
<thead>
<tr>
<th>Name of the OIE Member Country receiving a technical consultancy</th>
<th>Purpose</th>
<th>How the advice was provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAMBODIA</td>
<td>Prevention and control PRRSV and other swine disease in Asia</td>
<td>Introduction the PRRS situation in the region and control initiative, updates and trends</td>
</tr>
<tr>
<td>LAOS</td>
<td>Prevention and control PRRSV and other swine disease in Asia</td>
<td>Introduction the PRRS situation in the region and control initiative, updates and trends</td>
</tr>
<tr>
<td>MYANMAR</td>
<td>Prevention and control PRRSV and other swine disease in Asia</td>
<td>Introduction the PRRS situation in the region and control initiative, updates and trends</td>
</tr>
<tr>
<td>PHILIPPINES</td>
<td>Prevention and control PRRSV and other swine disease in Asia</td>
<td>Introduction the PRRS situation in the region and control initiative, updates and trends</td>
</tr>
<tr>
<td>THAILAND</td>
<td>Prevention and control PRRSV and other swine disease in Asia</td>
<td>Introduction the PRRS situation in the region and control initiative, updates and trends</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Title of the study</th>
<th>Duration</th>
<th>Purpose of the study</th>
<th>Partners (Institutions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linking Epidemiology and Laboratory Research on Transboundary Animal Diseases and Zoonoses in China and EU (LinkTADS)</td>
<td>3 Years</td>
<td>LinkTADS brings together world-class research institutes and experts in cross-border cooperation with the aim to coordinate research between the EU and China, thus improving scientific excellence in animal health (epidemiology and laboratory).</td>
<td>FAO, EM, RVC, SVA, et al.</td>
</tr>
</tbody>
</table>

**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

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

Yes
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: 1

b) International conferences: 4
Joint FAO/OIE Workshop on Swine Disease Control in Asia, Beijing, PR China, 18-20 November 2014
Third Global Conference of OIE Reference Centres, challenges and expections for the future, Seoul, Korea (Rep. of), 14-16 October 2014
The 1st Lao PDR, PR China and Myanmar Meeting on Collaboration to Address Transboundary Animal Diseases, 9-10 December, 2014
The International Symposium on PRRS Prevention and Control, Luoyang, China, 24-26 October 2014

c) National conferences: 2
Swine diseases of vertical transmission for prevention and control technical training in Beijing, China. 2014.
International swine security system seminar in Lanzhou, China. 2014.

d) Other: 1
(Provide website address or link to appropriate information)
The annual report of porcine reproductive and respiratory syndrome (PRRS), including genome sequence analysis, virus isolates, pathogenicity and vaccine protection experiments study in 2014.

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?
No

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 certified according to an International Standard?
Yes

<table>
<thead>
<tr>
<th>Quality management system adopted</th>
<th>Certificate scan (PDF, JPG, PNG format)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO/IEC 17025</td>
<td>40@%NC)GOM]X}0_9{PNB_DD.jpg</td>
</tr>
</tbody>
</table>

16. Is your laboratory accredited by an international accreditation body?
No
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 2014, Chapter 1.1.3a)

**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

<table>
<thead>
<tr>
<th>National/ International</th>
<th>Title of event</th>
<th>Co-organiser</th>
<th>Date (mm/yy)</th>
<th>Location</th>
<th>No. Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>International</td>
<td>Joint FAO/OIE Workshop on Swine Disease Control in Asia, Beijing, PR China</td>
<td>OIE</td>
<td>11/2014</td>
<td>Beijing</td>
<td>China, Japan, North Korea, DPR Korea, Mongolia, Cambodia, Chinese Taipei, Indonesia, Laos, Myanmar, Philippines, Thailand, Vietnam</td>
</tr>
<tr>
<td>International</td>
<td>The International Symposium on PRRS Prevention and Control</td>
<td>Pulike biological engineering company</td>
<td>10/2014</td>
<td>Luoyang</td>
<td>China, American, Australia</td>
</tr>
</tbody>
</table>

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

Yes

<table>
<thead>
<tr>
<th>Title of event</th>
<th>Date (mm/yy)</th>
<th>Location</th>
<th>Role (speaker, presenting poster, short communications)</th>
<th>Title of the work presented</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Global Conference of OIE Reference Centres, challenges and expectations for the future, Seoul, Korea (Rep. of)</td>
<td>10/2014</td>
<td>Korea</td>
<td>communication</td>
<td>communication PRRSV prevention and control</td>
</tr>
<tr>
<td>Joint FAO/OIE Workshop on Swine Disease Control in Asia, Beijing, PR China</td>
<td>11/2014</td>
<td>Beijing</td>
<td>speaker</td>
<td>Introduction the PRRS situation in the region and control initiative, updates and trends</td>
</tr>
</tbody>
</table>
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?
No

25. Additional comments regarding your report:
No