This report has been submitted: 2014-01-22 17:02:17

Name of disease (or topic) for which you are a designated OIE Reference Laboratory: Swine streptococcosis

Address of laboratory: Nanjing Agricultural university, NAU Branch of Swine Streptococcosis Diagnostic Laboratory (BSSDL) Weigang No.1, Nanjing Jiangsu province CHINA (PEOPLES REP. OF)

Tel.: +86-25 84.39.53.28

Fax: +86-25 84.39.65.17

e-mail address: lucp@njau.edu.cn

Name (including Title and Position) of OIE Reference Expert: Dr. Chengping Lu Professor, College of Veterinary Medicine

Which of the following defines your laboratory? Check all that apply: Academic
ToR: 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>Total number of test performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nationally</td>
<td>Internationally</td>
</tr>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA(SS2)</td>
<td>Yes</td>
<td>1200</td>
</tr>
<tr>
<td>Bacteria agglutination test(SS)</td>
<td>Yes</td>
<td>800</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCR(SS)</td>
<td>Yes</td>
<td>3000</td>
</tr>
<tr>
<td>PCR (SS 2)</td>
<td>Yes</td>
<td>2500</td>
</tr>
<tr>
<td>PCR (virulence genes)</td>
<td>Yes</td>
<td>1000</td>
</tr>
</tbody>
</table>

ToR: 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?

Yes
<table>
<thead>
<tr>
<th>Type of reagent available</th>
<th>Related diagnostic test</th>
<th>Produced/provide</th>
<th>Amount supplied nationally (ml, mg)</th>
<th>Amount supplied internationally (ml, mg)</th>
<th>No. of recipient OIE Member Countries</th>
<th>Region of recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>control positive sera</td>
<td>ELISA</td>
<td>produced</td>
<td>350</td>
<td>0</td>
<td>1</td>
<td>□Africa □Americas □Asia and Pacific □Europe □Middle East</td>
</tr>
<tr>
<td>control negative sera</td>
<td>ELISA</td>
<td>produced</td>
<td>350</td>
<td>0</td>
<td>1</td>
<td>□Africa □Americas □Asia and Pacific □Europe □Middle East</td>
</tr>
<tr>
<td>antigen</td>
<td>Bacteria agglutination test</td>
<td>produced</td>
<td>20</td>
<td>0</td>
<td>1</td>
<td>□Africa □Americas □Asia and Pacific □Europe □Middle East</td>
</tr>
<tr>
<td>DNA</td>
<td>PCR</td>
<td>produced</td>
<td>20</td>
<td>10</td>
<td>7</td>
<td>□Africa □Americas □Asia and Pacific □Europe □Middle East</td>
</tr>
<tr>
<td>primers</td>
<td>PCR</td>
<td>provide</td>
<td>10</td>
<td>50</td>
<td>2</td>
<td>□Africa □Americas □Asia and Pacific □Europe □Middle East</td>
</tr>
</tbody>
</table>

4. Did your laboratory produce vaccines?
Yes

5. Did your laboratory supply vaccines to OIE Member Countries?
No

**ToR: 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?
7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?  
No

*ToR: 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>BANGLADESH</td>
<td>Training for bacteria isolation and virulence test method</td>
<td>In person</td>
</tr>
<tr>
<td>MALAYSIA</td>
<td>Training for bacteria isolation and virulence test method</td>
<td>In person</td>
</tr>
<tr>
<td>MALDIVES</td>
<td>Training for bacteria isolation and virulence test method</td>
<td>In person</td>
</tr>
<tr>
<td>PHILIPPINES</td>
<td>Training for bacteria isolation and virulence test method</td>
<td>In person</td>
</tr>
<tr>
<td>THAILAND</td>
<td>Training for bacteria isolation and virulence test method</td>
<td>In person</td>
</tr>
<tr>
<td>VIETNAM</td>
<td>Training for bacteria isolation and virulence test method</td>
<td>In loco</td>
</tr>
</tbody>
</table>

*ToR: 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: 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: 7
   
   
   
   
   
   
   
   b) International conferences: 1
   First international workshop on Streptococcus suis. 08/13, Beijing.
   
   c) National conferences: 1
   Shanghai Veterinary Public Health Symposium. 09/13, Shanghai.
   
   d) Other:
   (Provide website address or link to appropriate information) 1
   http://www.chinasscontrol.com

ToR: 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?
a) Technical visits: 0
b) Seminars: 0
c) Hands-on training courses: 1
d) Internships (>1 month): 0

<table>
<thead>
<tr>
<th>Type of technical training provided (a, b, c or d)</th>
<th>Country of origin of the expert(s) provided with training</th>
<th>No. participants from the corresponding country</th>
</tr>
</thead>
<tbody>
<tr>
<td>c</td>
<td>Britain</td>
<td>1</td>
</tr>
</tbody>
</table>

**ToR: 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?

No

**Explain Quality Management System in adoption process or currently in place**

- 

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 2012, Chapter 1.1.3 or Manual of Diagnostic Tests for Aquatic Animals 2012, Chapter 1.1.1)*

**ToR: 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>OIE RLSS/FAO/CSASS Training Course for Swine Streptococcosis Control in ASEAN</td>
<td>OIE[FAO]</td>
<td>11/13</td>
<td>Guangxi</td>
<td>28</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>First international workshop on Streptococcus suis</td>
<td>08/13</td>
<td>Beijing</td>
<td>Speaker</td>
<td>Detection of the zoonotic agent Streptococcus suis by molecular biological approaches</td>
</tr>
</tbody>
</table>

**ToR:** 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?

Not applicable (Only OIE Reference Lab. designated for disease)

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?

Not applicable (Only OIE Reference Lab. designated for disease)

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?

Not applicable (Only OIE Reference Lab. designated for disease)

**ToR:** 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](http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing) see point 1.3*
ToR: 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: