OIE Reference Laboratory Reports Activities

Activities in 2016

This report has been submitted: 2017-01-23 14:07:37

<table>
<thead>
<tr>
<th>Name of disease (or topic) for which you are a designated OIE Reference Laboratory:</th>
<th>Highly and low pathogenic avian influenza</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of laboratory:</td>
<td>North 20, West 10 Kita-Ku Sapporo 001-0020 JAPAN</td>
</tr>
<tr>
<td>Tel.:</td>
<td>+81-11 706 95 00</td>
</tr>
<tr>
<td>Fax:</td>
<td>+81-11 706 95 00</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:kida@vetmed.hokudai.ac.jp">kida@vetmed.hokudai.ac.jp</a></td>
</tr>
<tr>
<td>Website:</td>
<td></td>
</tr>
<tr>
<td>Name (including Title) of Head of Laboratory (Responsible Official):</td>
<td>Hiroshi Kida, Professor Yoshihiro Sakoda, Professor</td>
</tr>
<tr>
<td>Name (including Title and Position) of OIE Reference Expert:</td>
<td>Hiroshi Kida, Professor</td>
</tr>
<tr>
<td>Which of the following defines your laboratory? Check all that apply:</td>
<td>Academic</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>HI test H5</td>
<td>Yes</td>
<td>30</td>
<td>400</td>
</tr>
<tr>
<td>HI test H7</td>
<td>Yes</td>
<td>30</td>
<td>400</td>
</tr>
<tr>
<td>Virus isolation</td>
<td>Yes</td>
<td>800</td>
<td>2000</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?

   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?

No

**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>CHINESE TAIPEI</td>
<td>Improvement of diagnosis of avian influenza</td>
<td>In loco and remote assistance</td>
</tr>
<tr>
<td>MONGOLIA</td>
<td>Improvement of diagnosis of avian influenza</td>
<td>In loco and remote assistance</td>
</tr>
<tr>
<td>VIETNAM</td>
<td>Evaluation of correlation between real-time PCR and virus isolation</td>
<td>In loco and remote assistance</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
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: 15


b) International conferences:  6
1. Hiroshi Kida: US-Japan Cooperative Medical Science Program
   18th Acute Respiratory Infections Panel Meeting
   January 13-14, 2016
   Bethesda, MD, USA
   Points for the control of avian influenza and preparedness for future pandemics
2. Hiroshi Kida: University of Zambia School of Veterinary Medicine
   Veterinary School Main Lecture Theatre 14 June 2016, Lusaka, Zambia
   Pandemic influenza as an example of emerging zoonoses
   Control of avian influenza and preparedness for pandemic influenza
4. Hiroshi Kida: The 8th International Global Virus Network Meeting
   25 October 2016, Sapporo
   We are prepared for pandemic influenza.
5. Hiroshi Kida: Keynote Lecture for Lecture Series on One Health
   First Meeting on Technical Cooperative Network
   Nov 15th, 2016, Rangsit Campus, Thammasat University
   How to control avian influenza and how to prepare for future pandemics in humans

c) National conferences:  4
2. Hiroshi Kida: The 4th Meeting of the Consortium for the Control of Zoonoses WHO Collaborating Centre
   Conference Room, 8 July 2016, Sapporo, Japan
   Hokkaido University Research Center for Zoonosis Control
   We are prepared for pandemic influenza
3. Hiroshi Kida: Special Lecture School of Veterinary Medicine, Hokkaido University, Japan, 2 May 2016, Looking back and forward on One Health Strategy – 40 years struggle for the control of zoonoses –
4. Hiroshi Kida: 2016 Training Course for Tropical Medicine 3 June 2016, Nagasaki University, Japan, Nagasaki
   Pandemic influenza as an example of emerging zoonoses

d) Other:
   (Provide website address or link to appropriate information)  1
   https://virusdb.czc.hokudai.ac.jp/
**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: 4
b) Seminars: 0
c) Hands-on training courses: 8
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>a</td>
<td>Mongolia</td>
<td>4</td>
</tr>
<tr>
<td>c</td>
<td>Thailand</td>
<td>2</td>
</tr>
<tr>
<td>c</td>
<td>Vietnam</td>
<td>1</td>
</tr>
<tr>
<td>c</td>
<td>Zambia</td>
<td>1</td>
</tr>
<tr>
<td>c</td>
<td>Kenya</td>
<td>1</td>
</tr>
<tr>
<td>c</td>
<td>Nepal</td>
<td>1</td>
</tr>
<tr>
<td>c</td>
<td>Bangladesh</td>
<td>1</td>
</tr>
<tr>
<td>c</td>
<td>Mongolia</td>
<td>1</td>
</tr>
</tbody>
</table>

**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?

No

<table>
<thead>
<tr>
<th>Explain Quality Management System in adoption process or currently in place</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO/IEC 17025 in preparation</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, 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?
No
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: