WOAH Reference Laboratory Reports Activities 2023
Activities in 2023
This report has been submitted: 18 juin 2024 18:39

Laboratory Information

| Name of disease (or topic) for which you are a designated WOAH Reference Laboratory: | Infection with koi herpesvirus |
| Address of laboratory: | Friedrich-Loeffler Institut, Federal Research Institute for Animal Health |
| Tel: | +493835171254 |
| E-mail address: | heike.schuetze@fli.de |
| Website: | |
| Name (including Title) of Head of Laboratory (Responsible Official): | Dr. Heike Schütze (Head of NRL for IHN, VHS, ISA, EHN) |
| Name (including Title and Position) of WOAH Reference Expert: | Dr. Heike Schütze (WOAH RL for KHV-I) |
| Which of the following defines your laboratory? Check all that apply: | Governmental |

TOR1: DIAGNOSTIC METHODS

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 WOAH Manual (Yes/No)</th>
<th>Total number of test performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>qPCR (Gilad et al. 2004)</td>
<td>Yes</td>
<td>Nationally: 14, Internationally: 0</td>
</tr>
<tr>
<td>PCR (Engelsma et al. 2013)</td>
<td>Yes</td>
<td>Nationally: 14, Internationally: 0</td>
</tr>
</tbody>
</table>

TOR2: REFERENCE MATERIAL

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOAH?
No
3. Did your laboratory supply standard reference reagents (non-WOAH-approved) and/or other diagnostic reagents to WOAH Members?
No
4. Did your laboratory produce vaccines?
No
5. Did your laboratory supply vaccines to WOAH Members?
Not applicable

TOR3: NEW PROCEDURES

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?
No
7. Did your laboratory validate diagnostic methods according to WOAH Standards for the designated pathogen or disease?
No
8. Did your laboratory develop new vaccines for the designated pathogen or disease?
No
9. Did your laboratory validate vaccines according to WOAH Standards for the designated pathogen or disease?
No

**TOR4: DIAGNOSTIC TESTING FACILITIES**

10. Did your laboratory carry out diagnostic testing for other WOAH Members?
No
11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAH Member?
No

**TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES**

12. Did your laboratory participate in international scientific studies in collaboration with WOAH Members other than the own?
No
13. In exercising your activities, have you identified any regulatory research needs relevant for WOAH?
No

**TOR6: EPIZOOLOGICAL DATA**

14. Did your Laboratory collect epidemiological data relevant to international disease control?
No
15. Did your laboratory disseminate epidemiological data that had been processed and analysed?
No
16. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category and list the details in the box)

   a) Articles published in peer-reviewed journals:

   b) International conferences:

   c) National conferences:

   d) Other (Provide website address or link to appropriate information):

   2 Assistance in the preparation of the diagnostic manual for KHV-I recommended by the EURL (https://www.eurl-fish-crustacean.eu/fish/diagnostic-manuals/khv)

**TOR7: SCIENTIFIC AND TECHNICAL TRAINING**

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAH Members?
No

**TOR8: QUALITY ASSURANCE**

WOAH Reference Laboratory Reports Activities 2023
18. Does your laboratory have a Quality Management System?
Yes

<table>
<thead>
<tr>
<th>Quality management system adopted</th>
<th>Certificate scan (PDF, JPG, PNG format)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN EN ISCVIEC 17025:201</td>
<td>Akkreditierungsurkunde.pdf</td>
</tr>
</tbody>
</table>

19. Is your quality management system accredited?
Yes

<table>
<thead>
<tr>
<th>Test for which your laboratory is accredited</th>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>(RT)-PCR, (RT)-qPCR, virus isolation, cell culture, immunofluorescence assay, ELISA, sequencing etc. etc.,</td>
<td>all fish diseases listed in the EU: KHV-I, IHNV, VHSV, ISAV, EHNV</td>
</tr>
</tbody>
</table>

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

The FLI has laboratories and animal facilities ranging from S2/L2 to S4/L4. All previous work with KHV has been carried out under S2/L2 conditions.

**TOR9: SCIENTIFIC MEETINGS**

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOAH?
No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAH?
No

**TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES**

23. Did your laboratory exchange information with other WOAH Reference Laboratories designated for the same pathogen or disease?
No

24. Do you network (collaborate or share information) with other WOAH Reference Laboratories designated for the same pathogen?
No

25. Did you organise or participate in inter-laboratory proficiency tests with WOAH Reference Laboratories designated for the same pathogen?
No

26. Did your laboratory collaborate with other WOAH Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?
No

**TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING**

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOAH Reference Laboratories for the same pathogen?
Yes

<table>
<thead>
<tr>
<th>Purpose for inter-laboratory test comparisons</th>
<th>Role of your reference laboratory (organizer/participant)</th>
<th>No. participating laboratories</th>
<th>Name of the Test</th>
<th>WOAH Member Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification of IHNV, VHSV, EHNV, SVCV, IPNV, KHV, ISAV, SAV</td>
<td>participant as NRL for IHNV, VHSV, ISAV, EHNV, KHV-I</td>
<td>43</td>
<td>Inter-Laboratory Proficiency Test 2023</td>
<td>GERMANY,</td>
</tr>
</tbody>
</table>

**TOR12: EXPERT CONSULTANTS**

28. Did your laboratory place expert consultants at the disposal of WOAH?
No

29. Additional comments regarding your report:
Yes

designated expert at the WOAH Reference Laboratory for infection with koi herpesvirus since 2024