WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted: 19 avril 2023 09:34

Laboratory Information

<table>
<thead>
<tr>
<th>Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:</th>
<th>Infection with Gyrodactylus salaris</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of laboratory:</td>
<td>Elizabeth Stephansens vei 1, 1433 Ås</td>
</tr>
<tr>
<td>Tel.:</td>
<td>23 21 60 00</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:postmottak@vetinst.no">postmottak@vetinst.no</a></td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.vetinst.no">www.vetinst.no</a></td>
</tr>
<tr>
<td>Name (including Title) of Head of Laboratory (Responsible Official):</td>
<td>Torill Moseng, CEO</td>
</tr>
<tr>
<td>Name (including Title and Position) of WOAH Reference Expert:</td>
<td>Haakon Hansen, Senior researcher</td>
</tr>
<tr>
<td>Which of the following defines your laboratory? Check all that apply:</td>
<td>Governmental</td>
</tr>
</tbody>
</table>

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></td>
<td>Nationally</td>
<td>Internationally</td>
</tr>
<tr>
<td>Indirect diagnostic tests</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Screening of fish under stereo microscope</td>
<td>YES</td>
<td>6875</td>
</tr>
<tr>
<td>Molecular diagnosis</td>
<td>YES</td>
<td>450</td>
</tr>
</tbody>
</table>

WOAH Reference Laboratory Reports Activities 2022
**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 (nonWOAH-approved) and/or other diagnostic reagents to WOAH Members?
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 WOAH MEMBER COUNTRIES</th>
<th>COUNTRY OF RECIPIENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fin of Atlantic salmon with G. salaris. Fixed in EtOH</td>
<td></td>
<td></td>
<td>approximately 50 specimens of G. salaris</td>
<td></td>
<td>1</td>
<td>Europe</td>
</tr>
</tbody>
</table>

4. Did your laboratory produce vaccines?
No

5. Did your laboratory supply vaccines to WOAH Members?
No

**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?
Yes
<table>
<thead>
<tr>
<th>Title of the study</th>
<th>Duration</th>
<th>PURPOSE OF THE STUDY</th>
<th>PARTNERS (INSTITUTIONS)</th>
<th>WOAH MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of markers for strain characterization of G. salaris</td>
<td>ongoing</td>
<td>To develop new markers that can improve the diagnostics of different strains of G. salaris</td>
<td></td>
<td>AUSTRIA</td>
</tr>
</tbody>
</table>

**TOR6: EPIZOOLOGICAL DATA**

14. Did your Laboratory collect epidemiological data relevant to international disease control?
Yes

**IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:**

Epizootiological data is collected in the surveillance program for G. salaris which is carried out every year. Details can be found on the website of the NVI: [https://www.vetinst.no/overvaking](https://www.vetinst.no/overvaking)

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?
Yes

**IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:**

Epizootiological data collected in the surveillance program for G. salaris which is disseminated in a yearly report (see references below) and the website: [https://www.vetinst.no/overvaking](https://www.vetinst.no/overvaking)

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:

1

b) International conferences:

0

c) National conferences:

0
d) Other (Provide website address or link to appropriate information):

Surveillance reports can be found here (in Norwegian):
https://www.vetinst.no/overvaking/gyrodactylus-salaris-overv%C3%A5kningsprogram

Also, the Fish Health report provide an annual status and risk evaluation of the fish health situation in Norway.
https://www.vetinst.no/rapporter-og-publikasjoner/rapporter

**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**

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>NS-EN ISO/IEC 17025</td>
<td>Akkrediteringsdokument 13.01.23.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>see: <a href="https://www.vetinst.no/provetaking-og-diagnostikk/kvalitetssikring-og-referansefunksjoner">https://www.vetinst.no/provetaking-og-diagnostikk/kvalitetssikring-og-referansefunksjoner</a></td>
<td>Norwegian Accreditation, member of EA</td>
</tr>
</tbody>
</table>

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

No

**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?

Not applicable (only WOAH Reference Laboratory designated for the disease)

24. Are you a member of a network of WOAH Reference Laboratories designated for the same pathogen?

Not applicable (Only WOAH Reference Laboratory designated for the disease)

25. Did you organise or participate in inter-laboratory proficiency tests with WOAH Reference Laboratories designated for the same
pathogen?
Not applicable (Only WOAH Reference Laboratory designated for the disease)

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?
Not applicable (Only WOAH Reference Laboratory designated for the disease)

**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?
No

**TOR12: EXPERT CONSULTANTS**

28. Did your laboratory place expert consultants at the disposal of WOAH?
Yes

29. Additional comments regarding your report:

Yes

The reference lab was to be leading the project “GyroSTOP: Detect and stop the spread of Gyrodactylus salaris on the North Calotte” together with Finnish and Russian colleagues, but this was put on halt due to the war in Ukraine. The aim of the study was, among other things, to contribute to coordinated contingency plans for G. salaris, assess the current distribution of G. salaris and its different strains and variants on the North Calotte, and to further test environmental DNA methods for monitoring. A continuation of this project has been discussed with Finnish and Swedish partners.