

# WOAH Reference Laboratory Reports Activities 2023

## Activities in 2023

This report has been submitted : 3 juin 2024 15:04

### Laboratory Information

|  |                                      |
|--|--------------------------------------|
| <b>Name of disease (or topic) for which you are a designated WOAHO Reference Laboratory:</b> | Infection with Gyrodactylus salaris  |
| <b>Address of laboratory:</b>  | Elizabeth Stephansens vei 1, 1433 Ås |
| <b>Tel.:</b>   | +47-23 21 60 00                      |
| <b>E-mail address:</b>   | postmottak@vetinst.no                |
| <b>Website:</b>  | www.vetinst.no                       |
| <b>Name (including Title) of Head of Laboratory (Responsible Official):</b>                  | Øyvind Fylling-Jensen                |
| <b>Name (including Title and Position) of WOAHO Reference Expert:</b>                        | Haakon Hansen, Senior researcher     |
| <b>Which of the following defines your laboratory? Check all that apply:</b>                 | 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

| Diagnostic Test                           | Indicated in WOAHO Manual (Yes/No) | Total number of test performed last year |                 |
|---|------------------------------------|--|-----------------|
|   |                                    | Nationally                               | Internationally |
| Indirect diagnostic tests                 |                                    |  |                 |
| 0   |                                    | 0  | 0               |
| Direct diagnostic tests                   |                                    |  |                 |
| Screening of fish under stereo microscope |                                    | 5951                                     | 0               |
| Molecular diagnosis                       |                                    | 70                                       | 0               |
| Environmental DNA analyses                |                                    | 60                                       | 0               |

### TOR2: REFERENCE MATERIAL

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOAHO?

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOAHO Members?

Yes

| TYPE OF REAGENT AVAILABLE             | RELATED DIAGNOSTIC TEST           | PRODUCED/ PROVIDE | AMOUNT SUPPLIED NATIONALLY (ML, MG) | AMOUNT SUPPLIED INTERNATIONALLY (ML, MG) | NO. OF RECIPIENT WOAHO MEMBER COUNTRIES | COUNTRY OF RECIPIENTS |
|---------------------------------------|-----------------------------------|-------------------|-------------------------------------|--|---|-----------------------|
| Fins of Atlantic salmon fixed in EtOH | Molecular diagnosis of G. salaris | 0                 | 0                                   | Approximately 20 specimens of G. salaris | 1                                       | KOREA (REP. OF),      |

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAHP 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 WOAHP 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 WOAHP Standards for the designated pathogen or disease?

No

**TOR4: DIAGNOSTIC TESTING FACILITIES**

10. Did your laboratory carry out diagnostic testing for other WOAHP Members?

No

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAHP Member?

No

**TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES**

12. Did your laboratory participate in international scientific studies in collaboration with WOAHP Members other than the own?

Yes

| Title of the study  | Duration | PURPOSE OF THE STUDY  | PARTNERS (INSTITUTIONS) | WOAHP MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY |
|---|----------|---|-------------------------|---|
| Development of markers for strain characterization of <i>G. salaris</i> | ongoing  | To develop new markers that can improve the diagnostics of different strains of <i>G. salaris</i> | University of Graz      | AUSTRIA   |

13. In exercising your activities, have you identified any regulatory research needs\* relevant for WOAHP?

No

**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>

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 the website: <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:

0

b) International conferences:

0

c) National conferences:

0

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

0

*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 WOAHA Members?

No

## TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

| Quality management system adopted | Certificate scan (PDF, JPG, PNG format) |                                     |
|-----------------------------------|---|-------------------------------------|
| NS-EN ISO/IEC 17025               | PDF                                     | Akkrediteringsdokument 13.01.23.pdf |

19. Is your quality management system accredited?

Yes

| Test for which your laboratory is accredited   | Accreditation body                    |
|--|---------------------------------------|
| see: <a href="https://www.vetinst.no/provetaking-og-diagnostikk/kvalitetssikring-og-referansefunksjoner">https://www.vetinst.no/provetaking-og-diagnostikk/kvalitetssikring-og-referansefunksjoner</a> | Norwegian Accreditation, member of EA |

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 WOAHA?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAHA?

No

## TOR10: NETWORK WITH WOAHA REFERENCE LABORATORIES

23. Did your laboratory exchange information with other WOAHA Reference Laboratories designated for the same pathogen or disease?

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

24. Do you network (collaborate or share information) with other WOA Reference Laboratories designated for the same pathogen?

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

25. Did you organise or participate in inter-laboratory proficiency tests with WOA Reference Laboratories designated for the same pathogen?

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

26. Did your laboratory collaborate with other WOA Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

Not applicable (Only WOA 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 WOA Reference Laboratories for the same pathogen?

No

## **TOR12: EXPERT CONSULTANTS**

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

No

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. A new project has now started in collaboration with Finnish partners (Ruokavirasto). Details regarding this project can be found here: <https://www.interregaurora.eu/approved-projects/our-precious-transboundary-waters/> The aim of this project is to contribute to coordinated contingency plans for G. salaris and to improve diagnostics and surveillance for G. salaris in Norway and Finland. This includes further development of environmental DNA methods for monitoring of the parasite and its host.*