

# WOAH Reference Laboratory Reports Activities 2024

This report has been submitted: 31 janvier 2025 13:47

## LABORATORY INFORMATION

<b>*Name of disease (or topic) for which you are a designated WOA Reference Laboratory:</b>	Gyrodactylosis (Gyrodactylus salaris)
<b>*Address of laboratory:</b>	Elizabeth Stephansens vei 1, 1433 Ås
<b>*Tel:</b>	+47-45244095
<b>*E-mail address:</b>	haakon.hansen@vetinst.no
<b>Website:</b>	www.vetinst.no
<b>*Name (including Title) of Head of Laboratory (Responsible Official):</b>	Gun Peggy Knudsen
<b>*Name (including Title and Position) of WOA 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 WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
0		0	0
Direct diagnostic tests		Nationally	Internationally
Screening of fish under stereo microscope	Yes	5960	0
Molecular diagnosis	Yes	370	0

### Haakon Hansen - - NORWAY

Environmental DNA analyses	Yes	30	0
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## TOR2: REFERENCE MATERIAL

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

No

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

Yes

Type of reagent available	Related diagnostic test	Produced/ provide	Amount supplied nationally (ml, mg)	Amount supplied internationally (ml, mg)	No. of recipient WOA?H Member Countries	Country of recipients
Fins of Atlantic salmon infected with G. salaris 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 WOA?H 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 WOA?H 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 WOA?H Standards for the designated pathogen or disease?

No

## TOR4: DIAGNOSTIC TESTING FACILITIES

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

No

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

No

## TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

Yes

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### Haakon Hansen - - NORWAY

Title of the study	Duration	Purpose of the study	Partners (Institutions)	WOAH 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 WOAH?

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
<a href="https://www.vetinst.no/en/quality-assurance-and-reference-functions">https://www.vetinst.no/en/quality-assurance-and-reference-functions</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 WOA 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 during the past 2 years?

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 during the past 2 years?

No

## **TOR12: EXPERT CONSULTANTS**

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

No

29. Additional comments regarding your report:

Yes

*NVI is participating in a EU-funded (InterregAurora) project in collaboration with Finnish partners (Finnish Food Safety Authority, 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. In addition it includes development of new markers for strain characterization of *G. salaris*. The latter is also an ongoing collaboration between the NVI and University of Graz, Austria.*