

WOAH Reference Laboratory Reports Activities 2025

This report has been submitted: 16 février 2026 10:09

LABORATORY INFORMATION

*Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Gyrodactylosis (<i>Gyrodactylus salaris</i>)
*Address of laboratory:	Elizabeth Stephansens vei 1, 1433 Ås
*Tel:	+47-23 21.61.23
*E-mail address:	vi1159@vetinst.no
Website:	www.vetinst.no
*Name (including Title) of Head of Laboratory (Responsible Official):	Gun Peggy Knudsen, Director General
*Name (including Title and Position) of WOA Reference Expert:	Haakon Hansen, Senior researcher
*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

Diagnostic Test	Indicated in WOA 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	Yes	5206	1
Molecular diagnosis	Yes	162	8
Environmental DNA analyses	Yes	40	10

TOR2: REFERENCE MATERIAL

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

No

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOA 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 Member Countries	Country of recipients
Fins of Atlantic salmon infected with <i>G. salaris</i> fixed in EtOH	Molecular diagnosis of <i>G. salaris</i>	0	0	Approximately 25 specimens of <i>G. salaris</i>	1	FINLAND,

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAHA Members?

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 WOAHA Standards for the designated pathogen or disease?

No

8. Did your laboratory develop new vaccines for the designated pathogen or disease?

9. Did your laboratory validate vaccines according to WOAHA Standards for the designated pathogen or disease?

TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

Name of WOAHA Member Country seeking assistance	Date	Which diagnostic test used	No. samples received for provision of diagnostic support	No. samples received for provision of confirmatory diagnoses
SWEDEN	2025-06-02	WOAHA Chapter 2 . 3 . 3 . Infection with Gyrodactylus salaris	8	8

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

Yes

Name of the WOAHA Member Country receiving a technical consultancy	Purpose	How the advice was provided
SWEDEN	Follow up of newly diagnosed infection with G. salaris in river Örekilsälven on the Swedish west coast	Meetings online (Teams)

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

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

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	WOAHA Member Countries involved other than your country
Development of markers for strain characterization of G. salaris	ongoing	To develop new markers that can improve the diagnostics of different strains of G. salaris	University of Graz	AUSTRIA
Improving eDNA detection for G. salaris. Carried out within the EU-funded Interreg AURora Project with the title "Our precious transboundary waters"	ongoing	To improve eDNA methods for G. salaris, assist the implementation of this method in Finland, and to harmonize methods in Norway and Finland	Ruokavirasto (Finnish Food Safety Authority)	FINLAND

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

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:

Haakon Hansen - - NORWAY

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):

1

Surveillance reports can be found here (in Norwegian): <https://www.vetinst.no/overvaking/gyrodactylus-salarisoverv%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 WOA 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

Haakon Hansen - - NORWAY

General accreditation

<https://www.vetinst.no/en/quality-assurance-and-reference-functions>

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

No

not applicable

TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOA?H?

No

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

No

TOR10: NETWORK WITH WOA?H REFERENCE LABORATORIES

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

Not applicable (only WOA?H Reference Laboratory designated for the disease)

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

Not applicable (only WOA?H Reference Laboratory designated for the disease)

25. Did you organise or participate in inter-laboratory proficiency tests with WOA?H Reference Laboratories designated for the same pathogen during the past 2 years?

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

Not applicable (only WOA?H Reference Laboratory designated for the disease)

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

Not applicable (only WOA?H 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?H Reference Laboratories for the same pathogen during the past 2 years?

Yes

Purpose for inter-laboratory test comparisons ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the test	WOA?H Member Countries
Harmonizing laboratory analyses for eDNA monitoring for <i>G. salaris</i> . Carried out within the EU-funded project "Our precious transboundary waters" https://www.interregaurora.eu/approved-projects/our-precious-transboundary-waters/	Organizer and participant	2		FINLAND,

TOR12: EXPERT CONSULTANTS

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

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.*