OIE Reference Laboratory Reports Activities

Activities in 2019

This report has been submitted : 2020-02-06 16:07:54

Name of disease (or topic) for which you are a designated OIE Reference Laboratory:	Infection with infectious salmon anaemia virus
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Fax:	
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Name (including Title) of Head of Laboratory (Responsible Official):	Gaute Lenvik, Director General
Name (including Title and Position) of OIE Reference Expert:	Dr.Knut Falk, VMD, PhD, Senior Researcher
Which of the following defines your laboratory? Check all that apply:	Governmental

ToR 1: To use, promote and disseminate diagnostic methods validated according to OIE Standards

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 OIE Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
Histopathology	Yes	208	0
Direct diagnostic tests		Nationally	Internationally
Immunohistochemistry	Yes	446	0
Cell culture/IFAT for virus isolation/identification	Yes	20	0
Real-time RT-PCR	Yes	2953	0
Sequencing for genotyping	Yes	73	0

ToR 2: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards.
To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.

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

No

3. Did your laboratory supply standard reference reagents (non OIE-approved) and/or other diagnostic reagents to OIE Member Countries?

No

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to OIE Member Countries?

No

ToR 3: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?

No

7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?

No

ToR 4: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?

No

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

No

ToR 5: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?

Yes

Title of the study	Duration	Purpose of the study	Partners (Institutions)	OIE Member Countries involved other than your country
Characterization of ISAV HPR0 virus- and infection in Atlantic salmon	6 years	Characterize ISAV HPR0 infection, determine biological significance if ISAV HPR0 and identify ISAV virulence markers	Food, Veterinary and Environmental Agency, the Faroes Islands Marine Scotland (Marine Laboratory) Aberdeen Scotland, UK	DENMARK UNITED KINGDOM
ISAV vs. RBCs - The interaction between infectious salmon anaemia virus and Atlantic salmon red blood cells and its relation to infectious salmon anaemia pathogenesis	3 years	Study ISA pathogenesis	Food, Veterinary and Environmental Agency, the Faroes EURL, Copenhagen, Denmark	DENMARK

ToR 6: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases

11. Did your Laboratory collect epizootiological data relevant to international disease control?

Yes

If the answer is yes, please provide details of the data collected:
ISAV sequences submitted to the Gene Bank

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?

Yes

If the answer is yes, please provide details of the data collected:
Epizootic data published through the National Fish Health Report (This report also have an English version published on our Web-site

13. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category)

a) Articles published in peer-reviewed journals: 0

b) International conferences: 3

Christiansen, D.H.; Petersen, P.E.; Dahl, M.M.; Falk, K. No evidence of vertical transmission of ISAV-HPR0 from Atlantic salmon brood fish to offspring's in Faroese aquaculture. EAFP conference 2019, Porto, Portugal
Aamelfot, M., Falk, K. The infectious salmon anaemia virus 4-O-acetylated sialic acid cellular virus receptor disappears during experimental infection in Atlantic salmon. ScanVir2019 Conference, Turku, Finland
Knut Falk. ISA: Challenges related to epidemiology, detection, control and documentation of the ISAV situation including questions related to identify the source of new outbreaks. The EURL 23rd Annual Workshop of the National Reference Laboratories for Fish Diseases 2019, Copenhagen, Denmark

c) National conferences: 1
Knut Falk: ILA kunnskapsstatus: Forekomst, smittespredning, diagnostikk. Norwegian Food Authority: open kickoff meeting concerning implementation of new EU ADL, March 2019

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

ToR 7: To provide scientific and technical training for personnel from OIE Member Countries
To recommend the prescribed and alternative tests or vaccines as OIE Standards

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

No

ToR 8: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned

15. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)
ISO17025	NVI Accreditation document.pdf

16. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Flexible accreditation for real-time RT-PCR methods including ME07_181: ISAV matrix real-time RT-PCR	Norwegian Accreditation, member of EA

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

Yes

(See Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 1.1.4)

ToR 9: To organise and participate in scientific meetings on behalf of the OIE

18. Did your laboratory organise scientific meetings on behalf of the OIE?

No

19. Did your laboratory participate in scientific meetings on behalf of the OIE?

No

ToR 10: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results

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

No

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?

No

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

No

ToR 11: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?

Yes

Note: See Interlaboratory test comparisons in: Laboratory Proficiency Testing at: http://www.oie.int/en/our-scientific-expertise/reference-laboratories/proficiency-testing see point 1.3

Purpose for inter-laboratory test comparisons[1]	No. participating laboratories	Region(s) of participating OIE Member Countries
The EU-RL Annual Inter-laboratory Proficiency Test	50+	☐Africa ☒Americas ☒Asia and Pacific ☒Europe ☐Middle East

ToR 12: To place expert consultants at the disposal of the OIE

24. Did your laboratory place expert consultants at the disposal of the OIE?

No

25. Additional comments regarding your report:

I am going to retire (by an early retirement plan) later this year and I will send a separate letter addressing difficulties I have encountered internally both when it comes to receiving mandate and authority to follow up the reference laboratory function, but also when it comes to information flow internally and with the OIE.