

## Content of information to provide from an OIE Reference Laboratory to inform the OIE on positive results of samples on OIE listed diseases

This form is intended to provide guidance to OIE Reference Laboratories wishing to submit their positive results on OIE listed diseases to the OIE. Please send it by email to [information.dept@oie.int](mailto:information.dept@oie.int)

Please note that filling in this form does not avoid the requirement for the Reference Laboratories to inform the OIE Delegate of the Member Country or Territory from which the samples originated. It also doesn't replace the responsibility of the OIE delegate to inform the OIE Central Bureau, of any positive results for OIE listed diseases according to OIE's disease notification requirements.

Name of the OIE Reference Laboratory: Atlantic Veterinary College

Name of the designated OIE expert: Dr. Fred Kibenge

Name of the OIE listed disease or other identified disease in the sample(s):  
Infectious salmon anaemia (ISA)

Country of origin of the sample(s): Canada

Name, address and position of the person having sent the sample(s):

Dr. Rick Routledge	Nicole Gerbrandt
Professor	Hakai Scholar
Dept. of Statistics & Actuarial Sci.	The Hakai Network for Coastal People,
Simon Fraser University	Ecosystems and Management
8888 University Drive	Department of Biological Sciences
Burnaby, BC	Simon Fraser University
V5A 1S6, Canada	8888 University Drive
	Burnaby, BC
	V5A 1S6, Canada

Date when the sample(s) were received by the laboratory: October 04, 2011.

Date(s) of laboratory results: October 12, 2011.

Date when the results were sent to the applicant: October 13, 2011.

Sample id	Sample description				Type of test(s)	Date	Result(s)	Serotype (if applicable)
	Type	Species	Location	Date of collection				
1-48	heart tissues from smolts	Sockeye salmon ( <i>Oncorhynchus nerka</i> )	British Columbia	22/05/2011 to 18/07/2011 (attached)	Real-time RT-PCR	05/10/2011 & 08/10/2011	two samples positive	European genotype

Other comments:

All samples were tested for ISAV using our real-time RT-PCR with TaqMan probe for ISAV segment 8 (Workenhe *et al.*, 2008). Samples that were positive were then further tested using our real-time RT-PCR with TaqMan probes for ISAV segment 6 for genotyping (Kibenge *et al.*, 2009). On the basis of our test results, samples #26 and #36 tested positive for ISAV of the European genotype. All the submitted material for samples #26 and #36 was used up in this testing, and no further testing (for example virus isolation and DNA sequencing) was attempted.

Cited references:

Kibenge, F., Kibenge, M., Simard, S., Riveroll, A., Pallapothu, M., and Salonijs, K. 2009. Development of a DIVA system for an infectious salmon anaemia (ISA) virus vaccine using a qRT-PCR test based on segment 6 of the ISA virus. 14th *European Association of Fish Pathologists International Conference on Diseases of Fish and Shellfish*, Prague, Czech Republic, September 14-19, 2009.

Workenhe, S.T., Kibenge, M.J.T., Iwamoto, T., and Kibenge, F.S.B. 2008. Absolute Quantitation of Infectious Salmon Anaemia Virus Using Different Real-time Reverse Transcription PCR Chemistries. *Journal of Virological Methods*, 154:128-134.

Date and signature:

October 15, 2011. 

Lab #	Sample ID	ISAV seg 8 Probe, Cts Detects all ISAV	ISAV Seg 6 Probe 52 Cts Detects European genotype	ISAV Seg 6 Probe 82 Cts Detects North American genotype
VT 10042011-1	Sokeye heart _1	0	not done	not done
VT 10042011-2	Sokeye heart _2	0	not done	not done
VT 10042011-3	Sokeye heart _3	0	not done	not done
VT 10042011-4	Sokeye heart _4	0	not done	not done
VT 10042011-5	Sokeye heart _5	0	not done	not done
VT 10042011-6	Sokeye heart _6	0	not done	not done
VT 10042011-7	Sokeye heart _7	0	not done	not done
VT 10042011-8	Sokeye heart _8	0	not done	not done
VT 10042011-9	Sokeye heart _9	0	not done	not done
VT 10042011-10	Sokeye heart _10	0	not done	not done
VT 10042011-11	Sokeye heart _11	0	not done	not done
VT 10042011-12	Sokeye heart _12	0	not done	not done
VT 10042011-13	Sokeye heart _13	0	not done	not done
VT 10042011-14	Sokeye heart _14	0	not done	not done
VT 10042011-15	Sokeye heart _15	0	not done	not done
VT 10042011-16	Sokeye heart _16	0	not done	not done
VT 10042011-17	Sokeye heart _17	0	not done	not done
VT 10042011-18	Sokeye heart _18	0	not done	not done
VT 10042011-19	Sokeye heart _19	0	not done	not done
VT 10042011-20	Sokeye heart _20	0	not done	not done
VT 10042011-21	Sokeye heart _21	0	not done	not done
VT 10042011-22	Sokeye heart _22	0	not done	not done
VT 10042011-23	Sokeye heart _23	0	not done	not done
VT 10042011-24	Sokeye heart _24	0	not done	not done
VT 10042011-25	Sokeye heart _25	0	not done	not done
VT 10042011-26	Sokeye heart _26	29.82	32.7	0
VT 10042011-27	Sokeye heart _27	0	not done	not done
VT 10042011-28	Sokeye heart _28	0	not done	not done
VT 10042011-29	Sokeye heart _29	0	not done	not done
VT 10042011-30	Sokeye heart _30	0	not done	not done
VT 10042011-31	Sokeye heart _31	0	not done	not done
VT 10042011-32	Sokeye heart _32	0	not done	not done
VT 10042011-33	Sokeye heart _33	0	not done	not done
VT 10042011-34	Sokeye heart _34	0	not done	not done
VT 10042011-35	Sokeye heart _35	0	not done	not done
VT 10042011-36	Sokeye heart _36	30.86	33.21	0
VT 10042011-37	Sokeye heart _37	0	not done	not done
VT 10042011-38	Sokeye heart _38	0	not done	not done
VT 10042011-39	Sokeye heart _39	0	not done	not done
VT 10042011-40	Sokeye heart _40	0	not done	not done
VT 10042011-41	Sokeye heart _41	0	not done	not done
VT 10042011-42	Sokeye heart _42	0	not done	not done
VT 10042011-43	Sokeye heart _43	0	not done	not done
VT 10042011-44	Sokeye heart _44	0	not done	not done
VT 10042011-45	Sokeye heart _45	0	not done	not done
VT 10042011-46	Sokeye heart _46	0	not done	not done
VT 10042011-47	Sokeye heart _47	0	not done	not done
VT 10042011-48	Sokeye heart _48	0	not done	not done
ADL-ISAV (European genotype)		17.24	18.5	0
NBISAV01 (North American genotype)		17.17	0	15.1
NTC (water)		0	0	0

Fish Number	Date collected
1	Jun-14
2	Jun-14
3	Jun-14
4	Jun-14
5	Jun-14
6	Jun-14
7	Jun-14
8	Jun-20
9	Jun-20
10	Jun-20
11	Jun-19
12	Jun-21
13	Jun-21
14	Jun-21
15	Jun-21
16	Jun-20
17	Jun-20
18	Jun-20
19	Jun-20
20	Jun-22
21	Jun-22
22	Jun-22
23	Jun-19
24	Jun-19
25	Jun-19
26	Jun-19
27	Jun-19
28	Jun-19
29	Jun-19
30	Jun-21
31	Jun-21
32	Jun-16
33	Jun-23
34	Jun-15
35	Jun-15
36	Jun-05
37	Jun-18
38	Jun-18
39	Jun-18
40	Jun-18
41	Jul-18
42	May-22
43	Jun-18
44	Jun-18
45	Jun-18
46	Jun-18

47	Jun-14
48	Jun-14