



Fisheries
and Oceans

Pêches
et Océans

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LABORATORY REPORT

TO: Canadian Food Inspection Agency
99 Mount Pleasant Rd
PO Box 1036
St. George, NB
E5C 3S9
Attn: Dr. Victoria Pedersen

CASE # 2011-215
REFERENCE # 2011-226
REGION Gulf
RECEIVED 2011/10/21

SAMPLE DATA

SPECIES Coho salmon (*Onchorynchus kisutch*)

DATE COLLECTED unknown	SAMPLE 1 SIZE	AGE adult
SAMPLE SITE unknown	LENGTH	POPULATION SIZE N/A
ORIGIN OF STOCK unknown		

REASON FOR EXAMINATION Response to notification - ISAV

DIAGNOSIS Inconclusive for infectious salmon anaemia virus (ISAV) by quantitative reverse transcriptase polymerase chain reaction method. Negative for ISAV by cell culture assay.

REPORT On October 21, 2011 the DFO Molecular Biology Unit at the Gulf Fisheries Centre (GFC) received and processed one frozen heart tissue homogenate in L-15 medium from the Atlantic Veterinary College (AVC) to be tested for the infectious salmon anaemia virus (ISAV) by cell culture assay and quantitative reverse transcriptase polymerase chain reaction method (qRT-PCR).

The cell culture assay was negative for ISAV using salmon head kidney (SHK), Atlantic salmon kidney (ASK) and TO cell lines incubated at 15°C for 28 days.

The qRT-PCR assay did not yield any positive results for ISAV (samples tested in duplicate). Although the qRT-PCR assay passed the quality assurance test based on the results obtained from positive and negative controls, the reference gene test results indicated compromising RNA degradation on the sample tested, hence the inconclusive result.

FILE COMPLETED
24/11/11 PB

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