

Organism

Infectious Salmon Anemia Virus - AHC (Real-Time Assay)

☐ DNA

☐ Nested

☒ RNA

☒ Real-Time

Primers: **ISA-for-LW**

ISA-rev-LW

Product Size: **74** bp

Target Region:

Matrix protein, segment 8

☒ Positive Control confirmed
by Sequence Analysis

Probe: **ISA LW-prb**

Profile

RT Step °C mm:ss
RT Step **50** **30:00**

Initial Denaturation **94** **10:00**

Denaturation **94** **00:15**

Annealing } **40** Cycles

Extension **60** **01:00**

Final Extension }

Soak

Programs
with Same
Profile

Program Files

Plant Lab PE ☐ → ☐ ☐ ☐ ☐

Robocycler ☐

Eppendorf Master ☐

MJ Research #1 ☐

MJ Research #2 ☐

MJ Research #4 ☐

MJ 200 ☐

Rapid Cycler ☐

Tetrads ☐

ABI 7000 ☐

ABI 7500 ☐

ABI 7900 ☐

Opticon 2 ☐

Links

Reaction Mix

Real-Time RT-PCR (Agpath)

Agpath Master Mix **12.50** μ l

Enzyme Mix **1.00** μ l

ISA-for-LW **1.00** μ l

ISA-rev-LW **1.00** μ l

Probe **0.60** μ l

RNAse-Free Water **3.90** μ l

Total Volume **20.00** μ l

Notes

This assay is sensitive to 30 copies when nested. Validation completed by Rachel Richardson.

Primers (74 bp):

ISA-for-LW (5'- ACA GCA GGA TGC AGA TGT ATG C -3')

ISA-rev-LW (5'- AGC GAC GAT GGC CTT TTC T -3')

Probe:

ISA-LW-prb (5'- 6-FAM - AGT TCG AAA GCC C - MGBNFQ -3')

Source

Primers designed by Lisa Wegener. Adapted by Julie Bidulka.