

Testing Records:

Alexandra Morton samples (Sockeye, Chinook, & Coho)_VT10142011_October 20 2011

Update on virus isolation attempts

Lab #	Sample ID	ISAV seg 8 Probe, Cts Detects all ISAV	ASK-2 P1 CPE	ISAV seg 8 Probe, Cts detects all ISAV
VT 10142011-49	Coho heart-1	0	not done	
VT 10142011-50	Chinook heart-2	0	not done	
VT 10142011-51	Coho heart-3	0	not done	
VT 10142011-52	Chinook heart-4	0	not done	
VT 10142011-53	Coho heart-6	0	not done	
VT 10142011-54	Sockeye heart-7	0	not done	
VT 10142011-55	Coho heart-8	0	not done	
VT 10142011-56	Coho heart-9	0	not done	
VT 10142011-57	Chum heart-10	0	not done	
VT 10142011-58	Coho heart-11	33.61*	Neg	0
VT 10142011-59	Coho Gill-1	0	not done	
VT 10142011-60	Chinook Gill-2	32.99	Neg	0
VT 10142011-61	Coho Gill-3	0	not done	
VT 10142011-62	Chinook Gill-4	0	not done	
VT 10142011-63	Coho Gill-6	0	not done	
VT 10142011-64	Sockeye Gill-7	0	not done	
VT 10142011-65	Coho Gill-8	0	not done	
VT 10142011-66	Coho Gill-9	0	not done	
VT 10142011-67	Chum Gill-10	33.77*	Neg	0
VT 10142011-68	Coho Gill-11	0	not done	
ADL-ISAV (European genotype)		16.85		18.65
NBISAV01 (North American genotype)		16.43		17.95
NTC (water)		0		

EXPLANATORY NOTES:

1. All samples were tested for ISAV using real-time RT-PCR with TaqMan probe for ISAV segment 8. The result is the number of PCR cycles to reach reliable detection of product (cycle threshold or Ct).
2. Only samples #58, #60 and #67 that were RT-PCR positive were inoculated in ASK-2 cell line in T-25 cm flasks and incubated at 16C for 10 days. All the P1 cultures were CPE negative.
3. The cell lysates were used to extract RNA for RT-PCR testing.
4. Using real-time RT-PCR with TaqMan probes for ISAV segment 8, all the three P1 cultures were RT-PCR negative.
5. Further passages in CHSE-214 and ASK-2, SHK-1 and T0 cell lines have either not yet been carried out or are awaiting RT-PCR testing. A sample will be considered negative for virus isolation after three blind passages without CPE.
6. The laboratory did not participate in the collection of the samples or in the custody of the samples prior to receipt of the samples. The laboratory therefore cannot guarantee the integrity of the samples.
7. For convenience, the samples are identified using the labels provided by the party who requested testing by the laboratory.
8. The samples were tested as received at the laboratory.
9. In accordance with the Health of Animals Act, the test results have been reported to representatives from the CFIA by the laboratory.

INTERPRETATION:

1. Ct up to 40 are positive. Ct between 40.1 and 45 are considered suspicious. Sample is negative if there is no Ct value.
2. *Sample had Ct value in only one of the replicates.