

Fish Health Inspection Report

Company: Blackwater Creek Koi Farms
Facility : Eustis Facility
Location: 30540 State Road FL44
 Eustis, FL 32736
 US

Site Manager: Joe Pawlak
Phone: (352) 357-4563
Water Source: Well & Ground
Water Treatment: None

Current Inspection: 21-Nov-17 **Prior Inspections:** 15-Mar-17
 09-Nov-16
 21-Mar-16
 02-Dec-15

Type of Fish Examined: Farm

Lab Accession: M17112205

Species	Lot ID	Age	Number in Lot	Eggs (E) or Fish (F) Origin	Sample Date(s)	*Pathogens - Methods and Results														
						Virus									Parasite					
						OMV	EHN	IHN	IPNV	ISAV	KHV	RSIV	SVCV	VHSV	SAV	AI	GS	CS	MC	
<i>Carassius auratus</i> goldfish	M18-007	12 mo	2,000	(E)Blackwater Creek Koi Farms (FL)	21-Nov-17				I54B		UBN		I45B	I45B		D				
									60		60		60	60		60				
									neg		neg		neg	neg		neg				
<i>Cyprinus carpio koi</i> koi	M18-008	12 mo	100,000	(E)Blackwater Creek Koi Farms (FL)	21-Nov-17				I54B		UBN		I45B	I45B		D				
									115		115		115	115		115				
									neg		neg		neg	neg		neg				

Notes: * See other side of sheet for explanations of Pathogens - Methods and Results coding
 All lots were tested according to World Organization for Animal Health (OIE) " Manual of Diagnostic Tests for Aquatic Animals " (2016) and/or equivalent protocols. **COLLECTION AND TESTING WAS CONDUCTED TO MEET CURRENT IMPORT REQUIREMENTS FOR CANADA.**

Samples Collected By: Katharine Starzel DVM

Affiliation: USDA-APHIS-VS-NIES

Telephone: (813) 671-5230

Client Reference #:

Inspecting Biologist:



William R. Keleher, Jr., Fish Health Inspector

FOOTNOTES:

PATHOGEN ABBREVIATIONS

OMV	Oncorhynchus Masou virus
EHNV	Epizootic Hematopoietic Necrosis virus
IHNV	Infectious Hematopoietic Necrosis virus
IPNV	Infectious Pancreatic Necrosis virus
ISAV	Infectious Salmon Anemia virus
KHV	Koi Herpes virus
RSIV	Red Sea Bream iridovirus
SVCV	Spring Viremia of Carp virus
VHSV	Viral Hemorrhagic Septicemia virus
SAV	Salmonid Alphavirus
AI	Epizootic ulcerative syndrome
GS	Gyrodactylus salaris
MC	Myxobolus cerebralis

In lots of fish less than one year of age, the age is listed in arabic numerals followed by mo. for month; for fish older than one year, the age is expressed in arabic numerals followed by a plus sign to indicate "older than".

Findings are reported in columns from top to bottom for each lot as follows: number of fish examined; methods used; results. Positive results include the number of positive individuals (or pools).

RESULTS ARE REPORTED AS (-) IF NEGATIVE AND AS # +/- # SAMPLED IF POSITIVE.

FOR BKD, APPROXIMATE LEVELS OF INFECTION ARE ALSO REPORTED (e.g., 10/ 50 fields)

VIRAL PATHOGENS:

First letter = sampling method

A = whole fry homogenates(minus head, tail, yolk sac if present)
B = whole visceral homogenates
C = kidney/spleen
D = ovarian fluids
E = kidney/spleen/heart
F = kidney/spleen/liver
G = kidney/spleen/heart/liver/pyloric caeca/gill
H = kidney/spleen/swim bladder
I = kidney/spleen/heart/liver
J = brain/eye
K = kidney/spleen/pyloric caeca/gill
L = kidney/spleen/heart/swim bladder
M= kidney/spleen/liver/swim bladder
N = kidney/spleen/heart/liver/swim bladder
O = kidney/spleen/heart/pyloric caeca/gill
P = kidney/spleen/heart/liver/gill
Q = kidney/spleen/heart/gill
R = kidney/heart
S = whole animal

Numbers = continuous cell lines used

1 = GF-1 (grunt fin)
2 = CHSE-214 (chinook salmon embryo)
3 = FHM (fathead minnow)
4 = EPC (epithelioma papillosum cyprini)
5 = BF-2 (bluegill fry)
6 = CCO (Channel Catfish ovary)
7 = ASK (atlantic salmon kidney)
8 = SSN-1 (striped snake head)
9 = KF-1 (koi fin)
10 = GF1 (grouper fin)
13 = CHSE-114(chinook salmon embryo)
14 = WSS2 (white sturgeon spleen)
15 = WSSK-1 (white sturgeon skin)
18 = EK-1 (eel Kidney)
19 = E-11 (striped snake head)

Pooling of samples

A = individual fish
B = five fish pools
C = sixty fish pools
D = Other _____

PARASITIC PATHOGENS

Encoded as follows:

A =digestion method
B = plankton centrifuge method
C = examination of stained smear
D = gross examination
E = PCR
F = microscopic examination

Confirmatory diagnosis - Last letter

H = slide agglutination
I = direct fluorescent antibody test
J = indirect fluorescent antibody test
K = ELISA
L = immunodot
M = fluorescent immunoassay
N = PCR