

Fish Health Inspection Report

Company: Blackwater Creek Koi Farms
Facility : Eustis Facility
Location: 30540 State Rd 44
 Eustis, FL 32736
 US

Site Manager: Joe Pawlak
Phone: (352) 357-4563

Current Inspection: 11-Feb-13 **Prior Inspections:** 14-Nov-12
 31-Jan-12

Water Source: Well & Ground
Water Treatment: None

Type of Fish Examined: Farm

Lab Accession: M13021202

Species	Lot ID	Age	Number in Lot	Eggs (E) or Fish (F) Origin	Sample Date(s)	*Pathogens - Methods and Results												
						Virus								Parasite				
						OMV	EHNV	IHNV	IPNV	ISAV	KHV	RSIV	SVCV	VHSV	EUS	GYRO	CS	MC
<i>Cyprinus carpio koi</i> koi	M13-122	100,000	<1 yo	(E) Blackwater Creek Koi Farms (FL)	11-Feb-13				P23B		P9B		P32B	P32B	D			
									140		140		140	140	140			
									neg		neg		neg	neg	neg			
<i>Carassius auratus</i> goldfish	M13-123	>10,000	<1 yo	(E) Blackwater Creek Koi Farms (FL)	11-Feb-13				P23B				P32B	P32B	D			
									35				35	35	35			
									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" (2009) or equivalent protocols.

Samples Collected By: Kathleen Hartman , DVM
Affiliation: USDA, APHIS, VS
Telephone: (813) 671-5230
Client Reference #:
Inspecting Biologist: *William Keleher*
 William R. Keleher, Jr., Fish Health Inspector

FOOTNOTES:

PATHOGEN ABBREVIATIONS

OMV	Oncorhynchus Masou Virus	Epizootic
EHN	Hematopoietic Necrosis virus	
IHN	Infectious Hematopoietic Necrosis virus	
IPN	Infectious Pancreatic Necrosis virus	
ISA	Infectious Salmon Anemia virus	
KHV	Koi Herpes virus	
RSV	Red Sea Bream iridovirus	
SVV	Spring Viremia of Carp virus	
VHS	Viral Hemorrhagic Septicemia virus	
EUS	Epizootic ulcerative syndrome	
GYRO	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

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)

Pooling of samples

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

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

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

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Water Source: Well & Ground
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Current Inspection: 25-Nov-13
Prior Inspections: 11-Feb-13
 14-Nov-12
 31-Jan-12

Type of Fish Examined: Hatchery

Lab Accession: M13112602

Species	Lot ID	Age	Number in Lot	Eggs (E) or Fish (F) Origin	Sample Date(s)	*Pathogens - Methods and Results												
						Virus								Parasite				
						OMV	EHNV	IHNV	IPNV	ISAV	KHV	RSIV	SVCV	VHSV	EUS	GYRO	CS	MC
<i>Cyprinus carpio koi</i> koi	M13-662	<1 yo	130,855	(E) Blackwater Creek Koi Farms (FL)	25-Nov-13				P24B		P94B		P42B	P42B				
									110		110		110	110				
									neg		neg		neg	neg				
<i>Carassius auratus</i> goldfish	M13-663	<1 yo	6,000	(E) Blackwater Creek Koi Farms (FL)	25-Nov-13				P24B		P94B		P42B	P42B				
									65		65		65	65				
									neg		neg		neg	neg				

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