

Laboratories Approved to Conduct Diagnostic Testing in Support of Export Health Certification of Aquaculture Species (In Alphabetical Order by State)

University of Arizona
Aquaculture Pathology
1117 E. Lowell St.
Tucson, AZ 85721
Phone: (520) 621-4438

Last inspection date: May 21, 2025

Pathogen for a WOA listed disease

Aphanomyces astaci
Decapod iridescent virus 1
Hepatobacter penaei
Infectious hypodermal and hematopoietic
necrosis virus
Infectious myonecrosis virus
Macrobrachium rosenbergii nodavirus
Taura syndrome virus
Vibrio parahaemolyticus (VpAHPND)
White spot syndrome virus
Yellow head virus genotype 1

Testing Method^{1,2}

Real-time PCR, PCR
Real-time PCR
Real-time PCR, PCR
Real-time PCR, PCR

Real-time RT-PCR, RT-PCR
Real-time RT-PCR, RT-PCR
Real-time RT-PCR, RT-PCR
Real-time PCR, PCR
Real-time PCR, PCR
Real-time RT-PCR, RT-PCR

University of Arkansas Pine Bluff -Lonoke
Fish Health Inspection Laboratory
Lonoke Agricultural Center
Lonoke, AR 72086
Phone: (501) 676-3124

Last inspection date: April 16, 2025

Pathogen for a WOA listed disease

Aphanomyces invadans
Infectious hematopoietic necrosis virus
Koi herpesvirus
Megalocytivirus pagrus 1
Spring viremia of carp virus
Viral hemorrhagic septicemia virus

Testing Method^{1,3}

Visual detection of lesions (Identification by PCR)
Virus isolation (Virus identification by RT-PCR)
Real-time PCR
Virus isolation
Virus isolation (Virus identification by PCR)
Virus isolation (Virus identification by RT-PCR)

**Laboratories Approved to Conduct Diagnostic Testing in Support of Export
Health Certification of Aquaculture Species
(In Alphabetical Order by State)**

Arkansas Livestock and Poultry Commission
Veterinary Diagnostic Laboratory
#1 Natural Resources Drive
Little Rock, AR 72205
Phone: (501) 823-1730

Last inspection date: April 15, 2025

Pathogen for a WOA listed disease

Aphanomyces invadans
Infectious hematopoietic necrosis virus
Koi herpesvirus
Megalocytivirus pagrus 1

Testing Method¹

Visual detection of lesions (PCR for identification)
Virus isolation
Real-time PCR
Virus isolation

Aquatic Animal Health Laboratory, Florida Atlantic University
Harbor Branch Oceanographic Institute
5600 US 1 North, Room 105B
Fort Pierce, FL 34946
Phone: (772) 242-2525

Last inspection date: August 30, 2023

Pathogen for a WOA listed disease

Vibrio parahaemolyticus (VpAHPND)
Aphanomyces astaci
Decapod iridescent virus 1
Infectious hypodermal and hematopoietic
necrosis virus
Infectious myonecrosis virus
Hepatobacter penaei
Taura syndrome virus
White spot syndrome virus
Macrobrachium rosenbergii nodavirus
Yellow head virus

Testing Method¹

Real-time RT-PCR
Real-time PCR
Real-time PCR
Real-time RT-PCR

Real-time RT-PCR
Real-time RT-PCR
Real-time RT-PCR
Real-time RT-PCR
Real-time RT-PCR

Laboratories Approved to Conduct Diagnostic Testing in Support of Export Health Certification of Aquaculture Species (In Alphabetical Order by State)

Kennebec River Biosciences

41 Main Street

Richmond, ME 04357

Phone: (207) 737-2637

Last inspection date: November 15, 2023

Pathogen for a WOA listed disease

Aphanomyces invadans

Epizootic hematopoietic necrosis virus

Gyrodactylus salaris

Infectious hematopoietic necrosis virus

Infectious salmon anemia virus

Koi herpesvirus

Red sea bream iridovirus

Salmonid alphavirus

Spring viremia of carp virus

Viral hemorrhagic septicemia virus

Aphanomyces astaci

Hepatobacter penaei

Infectious hypodermal and hematopoietic necrosis virus

Infectious myonecrosis virus

Macrobrachium rosenbergii nodavirus

Taura syndrome virus

Vibrio parahaemolyticus (VpAHPND)

White spot syndrome virus

Yellow head virus genotype 1

Bonamia exitiosa

Bonamia ostreae

Perkinsus marinus

Perkinsus olseni

Testing Method^{1,2,3}

Visual detection of lesions (PCR for identification)

Real-time PCR, virus isolation (Virus identification by sequence)

Visual detection

Real-time RT-PCR, virus isolation (Virus identification by sequence)

Real-time RT-PCR, IFAT, RT-PCR, virus isolation (Virus identification by sequence)

Real-time PCR

Real-time PCR, virus isolation (Virus identification by sequence)

Real-time PCR, virus isolation (Virus identification by sequence)

Virus isolation (Virus identification by sequence)

Real-time RT-PCR, RT-PCR, virus isolation

Real-time PCR

Real-time PCR

Real-time PCR

Real-time RT-PCR

Nested RT-PCR

Real-time RT-PCR

Real-time PCR

Real-time RT-PCR

Nested RT-PCR

PCR

PCR

Culture, PCR

Culture, PCR

**Laboratories Approved to Conduct Diagnostic Testing in Support of Export
Health Certification of Aquaculture Species
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**Animal Health Diagnostic Laboratory
NJPHEAL
3 Schwarzkopf Drive
Ewing, NJ 08628
Phone: (609) 406-6999**

Last inspection date: September 19, 2024

Pathogen for a WOAHA listed disease	Testing Method^{1,2}
Koi herpesvirus	PCR
Infectious hematopoietic necrosis virus	Real-time RT-PCR, virus isolation
Spring viremia of carp virus	Virus isolation
Viral hemorrhagic septicemia virus	Real-time RT-PCR, virus isolation

**Animal Disease Research and Diagnostic Laboratory
South Dakota State University
Box 2175, North Campus Drive
Brookings, SD 57007-1396
Phone: (605) 688-5171**

Last inspection date: August 28, 2024

Pathogen for a WOAHA listed disease	Testing Method^{1,2}
Spring viremia of carp virus	Virus isolation
Viral hemorrhagic septicemia virus	Real-time RT-PCR, virus isolation

**Laboratories Approved to Conduct Diagnostic Testing in Support of Export
Health Certification of Aquaculture Species
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Aqua Technics Inc.
455 West Bell Street
Sequim, WA 98382
Phone: (360) 681-3122
Fax: (360) 681-3123

Last inspection date: June 3, 2025

Pathogen for a WOAHA listed disease	Testing Method^{1,2}
<i>Bonamia</i> spp.	PCR
<i>Marteilia refringens</i>	PCR
<i>Perkinsus</i> spp.	Culture, PCR
<i>Xenohaliotis californiensis</i>	PCR

Washington Animal Disease Diagnostic Laboratory
College of Veterinary Medicine
Washington State University
PO Box 647034
Pullman, WA 99164-7034
Phone: (509) 335-9696

Last inspection date: November 8, 2023

Pathogen for a WOAHA listed disease	Testing Method^{1,2,3}
Epizootic hematopoietic necrosis virus	Virus isolation (Virus identification by RT-PCR)
Infectious hematopoietic necrosis virus	Virus isolation, RT-PCR
Infectious salmon anemia virus	Real-time RT-PCR, RT-PCR, virus isolation
Koi herpesvirus	Real-time PCR
Salmonid alphavirus	Real-time RT-PCR, virus isolation
Spring viremia of carp virus	Virus isolation (Virus identification by RT-PCR)
Viral hemorrhagic septicemia virus	Real-time RT-PCR, RT-PCR, virus isolation

¹ APHIS notification of non-negative (suspect or positive) test results for WOAHA notifiable aquatic animal pathogens for any testing purposes is required of approved laboratories.

² If more than one testing method is listed, consult the disease-specific chapter in the WOAHA Manual of Diagnostic Tests for Aquatic Animals (www.woah.org) for the test recommended for surveillance to demonstrate freedom in apparently healthy populations or refer to www.aphis.usda.gov/live-animal-export for countries that have specific testing requirements.

³ If virus isolation is the WOAHA test recommended for surveillance to demonstrate freedom in apparently healthy populations, virus identification assays are only conducted on non-negative samples.