



## Aquatic Animal Health Laboratory

Harbor Branch Oceanographic Institute at FAU

5600 US-1 North, Ft. Pierce, FL. 34946

Office Phone: 772-242-2525 | Lab Phone: 772-242-2390 | Fax: 772-424-2412

# Sample Submission Form

Please submit this completed form by email to Caitlyn Courtemanche ([ccourte1@fau.edu](mailto:ccourte1@fau.edu)) and include a printed copy with the samples. Any samples sent without meeting shipment requirements or with insufficient paperwork will not be processed. (cc: Susan Laramore [slaramo1@fau.edu](mailto:slaramo1@fau.edu) and Cari Sinacore [csinacoremiglian@fau.edu](mailto:csinacoremiglian@fau.edu)). Revised on 9/25/2023.

### Sender Information

Person or Company Contact/Invoicing Information	
Company	
Contact Name	
Street Address	
City, State, Country, Zip	
Email	
Phone Number	
Expected Shipping Date	

Collector / Veterinarian Information	
Contact Name	
Street Address	
City, State, Country, Zip	
Email	
Phone Number	
NAN Number	

### Purpose for testing:

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### Testing to be done as:

**Routine** (5-7 business days for PCR, 2 weeks for histology).

**Rush** (3-5 business days for PCR, 1 week for histology; with a 25% total cost increase).

Species	Life Stage/Size	Collection Date	Fixative Solution	Identification # (pond, tank, etc.)	Sample Quantity

See Page 2 for Pathology Test Requests

See Page 3 for Sample Shipment Requirements



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### Pathology Test Requests

<b>Bivalve Pathology</b>						
Test	Disease	Species	Tests Determined by Size			
			Size	≤ 3 mm	4 mm	≥ 5 mm
	<i>Bonamia</i>	Oysters				
	MSX	Oysters				
	QPX	Clams				
	Dermo	Both				
			Test	PCR only	PCR + Histology	Thioglycollate + Histology

<b>Shrimp Pathology – PCR</b>				
Test	Disease	Pathogen Type	Sample Type Required	WOAH/OIE Required
	AHPND/EMS	DNA	HP, PLs, feces, feed	Real-Time PCR
	<i>A. astaci</i> /CFP	DNA	Pleopods, PLs, feed	Conventional PCR
	DIV1/SHIV	DNA	HP, PLs, feces, feed	Nested-PCR
	IHHNV	DNA	Pleopods, PLs, feed	Real-Time PCR
	IMNV	RNA	Pleopods, PLs, feed	Real-Time RT-PCR
	MrNv/WTD	RNA	Pleopods, PLs, feed	Nested-PCR
	NHP	DNA	HP, PLs, feces, feed	Real-Time PCR
	TSV	RNA	Pleopods, PLs, feed	Real-Time RT-PCR
	WSSV	DNA	Pleopods, PLs, feed	Real-Time PCR
	YHV	RNA	Pleopods, PLs, feed	Nested-PCR
<b>WOAH/OIE BUNDLE (All listed above)</b>				
	EHP	DNA	HP, PLs, feces, feed	
	HPV	DNA	HP, PLs, feces, feed	
	BP	DNA	HP, PLs, feces, feed	
	MBV	DNA	HP, PLs, feces, feed	
	SMV	DNA	Pleopods, PLs, feed	
	CMNV	RNA	Pleopods, PLs, feed	
	PvNV	RNA	Pleopods, PLs, feed	

<b>Histopathology</b>	
	Standard (H & E) Histopathology
	Special stains upon request:

<b>Bacteriology (on plates)</b>	
	MacConkey Agar
	Marine Agar
	TCBS Agar ( <i>Vibrio</i> )
	TSA (Water)



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### Sample Shipment Requirements

<b>Bivalves</b>	
<b>Tissue</b>	<b>Fixative Method</b>
Whole	Must be living. Include an icepack and list "PERISHABLE" on the package.
<b>Shrimp</b>	
Feed	Sealed and labelled with info needed for certification.
<b>Tissue</b>	<b>Fixative Method</b>
Post-Larvae (PL)	95% Ethanol
Pleopods	95% Ethanol
Hepatopancreas (HP)	95% Ethanol
Whole Shrimp for Histology	The shrimp must be fixed while alive. <b>1)</b> Inject Davidson's fixative solution into the HP and each segment of the tail. Cut slits in the cuticle to allow the solution into the muscle. Allow it to sit submerged in Davidson's for 48 hours. <b>2)</b> Transfer the shrimp into 70% Ethanol for 24 hours. <b>3)</b> Ship the shrimp wrapped in paper towels soaked in 70% Ethanol, double-bagged. Include paper labels written in PENCIL.