



Aquaculture Laboratory  
 1 Natural Resources Drive  
 Little Rock, AR 72205  
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 agriculture.arkansas.gov

LAB USE ONLY
Case ID: _____

## CHAIN OF CUSTODY AND SUBMISSION FORM

1. **Company** \_\_\_\_\_

2. **Contact/Owner** \_\_\_\_\_

3. **Address** \_\_\_\_\_ **Phone** \_\_\_\_\_ **Fax** \_\_\_\_\_

4. **Sample information** (to be filled out by sample collector)

SPECIES	NUMBER	POND(S) OF ORIGIN	
			International export? <i>Check listed country box</i> <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Canada <input type="checkbox"/> European Countries <input type="checkbox"/> Other _____
			Tests Required <input type="checkbox"/> VHSV <input type="checkbox"/> SVCV <input type="checkbox"/> IHNV <input type="checkbox"/> KHV <input type="checkbox"/> Megalocytivirus pagrus1 <input type="checkbox"/> EUS
			Arkansas Baitfish Certification Program <input type="checkbox"/> YES <input type="checkbox"/> NO
			Interstate Shipments? <i>Check only listed states</i> <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CA <input type="checkbox"/> NY <input type="checkbox"/> RI <input type="checkbox"/> NH <input type="checkbox"/> NJ <input type="checkbox"/> WI <input type="checkbox"/> MA <input type="checkbox"/> VT <input type="checkbox"/> MI <input type="checkbox"/> MD <input type="checkbox"/> Other States
			Other Tests Needed? <input type="checkbox"/> YES <input type="checkbox"/> NO

5. **Sample Collector**

6. **Carrier Information**

7. **Receipt**

Name/Title (DVM   Other)	Company	Date Received
Signature	Signature	Lab Custodian Signature
Date/Time Collected	Date/Time Shipped	
Phone/Email	Package Tracking No.	
Shipped via		

8. **Condition of Samples** \_\_\_\_\_

**CALL FIRST:** Please call the laboratory to schedule your inspection before submitting fish.

**(501) 823-1730**

# KEY TO ABBREVIATIONS

## VIRUSES

VHSV – Viral Hemorrhagic Septicemia Virus  
SVCV – Spring Viremia of Carp Virus  
IHNV – Infectious Hematopoietic Necrosis Virus  
KHV – Koi Herpes Virus  
IPNV – Infectious Pancreatic Necrosis Virus  
Megalocytovirus pagrus1 – (Formerly -RSIV – Red Sea Bream Iridovirus)  
GSV – Golden Shiner Virus  
FHMNV – Fathead Minnow Nidovirus  
LMBV – Largemouth Bass Virus  
CCV – Channel Catfish Virus

## BACTERIA

BF – Bacterial Furunculosis (*Aeromonas salmonicida*)  
ERM – Enteric Redmouth (*Yersinia ruckerii*)  
ESC – Enteric Septicemia of Catfish (*Edwardsiella ictaluri*)  
STC – Streptococcus spp.

## PARASITES

HS – Heterosporosis (*Heterosporis* spp.)  
AT – Asian tapeworm [*Schyzocotyle (Bothriocephalus) achieilognathi*]  
EUS – Epizootic Ulcerative Syndrome (*Aphanomyces invadans*)

## DETECTION TESTS

CPE – Cytopathic effects of viruses on cell cultures  
FHM – Fathead minnow cells (cell line used to grow viruses - sensitive to VHSV, SVCV, IHNV, GSV, FHMNV, and LMBV from various fish species)  
BF-2 – Bluegill fin -2 cells (used to grow viruses – sensitive to VHSV, IPNV, and LMBV from various fish species)  
GF – Grunt fin cells (used to grow virus – sensitive to RSIV and tested from *Micropterus* spp. and *Morone* spp. for Canada)  
CCO – Channel catfish ovary cells (used to grow virus – sensitive to CCV from *Ictalurid* species)  
qPCR – quantitative Polymerase Chain Reaction (specific DNA sequence test for KHV in goldfish and common carp varieties)  
BHI – Brain Heart Infusion agar (used to grow bacteria that cause – BF, ERM, and ESC from various fish species), BHI with blood (used to grow *Streptococcus* spp. from *Tilapia* species)

## FISH SPECIES

GS	Golden shiner	<i>Notemigonus crysoleucas</i>
FHM	fathead minnow	<i>Pimephales promelas</i>
GF	goldfish	<i>Carassius auratus</i>
Koi or CAP	koi/common carp	<i>Cyprinus carpio</i>
GC	grass carp	<i>Ctenopharyngodon idella</i>
BG	bluegill	<i>Lepomis macrochirus</i>
RE	redeer	<i>Lepomis microlophus</i>
RExBG	hybrid redear	<i>Lepomis microlophus</i> x <i>Lepomis macrochirus</i>
GRS	green sunfish	<i>Lepomis cyanellus</i>
BGxGRS	hybrid bluegill	<i>Lepomis macrochirus</i> x <i>Lepomis cyanellus</i>
PSS	Pumpkin seed sunfish	<i>Lepomis gibbosus</i>
BC	black crappie	<i>Pomoxis nigromaculatus</i>
WC	white crappie	<i>Pomoxis annularis</i>
BCxWC	hybrid crappie	<i>Pomoxis nigromaculatus</i> x <i>Pomoxis annularis</i>
ESM	Eastern Silvery Minnow	<i>Hybognathus regius</i>
LMB	largemouth bass	<i>Micropterus salmoides</i>
SMB	smallmouth bass	<i>Micropterus dolomieu</i>
YP	yellow perch	<i>Perca flavescens</i>
WE	Walleye	<i>Sander vitreus</i>
CCF	Channel catfish	<i>Ictalurus punctatus</i>
CCFxBCF	hybrid catfish	<i>Ictalurus punctatus</i> x <i>Ictalurus furcatus</i>
BRB	Brown bullhead	<i>Ameiurus nebulosus</i>
STB	striped bass	<i>Morone saxatilis</i>
WB	white bass	<i>Morone chrysops</i>
WBxSTB	Hybrid striped bass	<i>Morone chrysops</i> x <i>Morone saxatilis</i>
TIL	Tilapia	<i>Oreochromis</i> spp.
PFE	Paddle fish eggs	<i>Polydon spathula</i>
GAM	Gambusia	<i>Gambusia affinis</i>
ES	Emerald shiner	<i>Notropis atherinoides</i>