

For office
use only

Aquaculture/Aquatic Organism Submission Form

Part I

Required billing info:
 Bill to: Vet/Clinic Owner Other _____

Reporting info:
 Affiliate (list codes) _____ Email _____

Contact Information - Owner/Producer

Owner Name _____
 Company _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____ Fax _____
 E-mail _____

Attending Veterinarian/Fish Collector *

Collector _____
 Company _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____ Fax _____
 E-mail _____

For Lab Use Only
 Sample /Specimen Arrived:

Live Rm Temp
 Cold Pk Frozen
 Fixed
 Other _____

Part II

Samples Submitted (one location per submission form, for health inspection, please include as much information as possible regarding location to ensure timely transport of fish post inspection)

Sample Collection Date _____ State Owner Wishes to Sell Fish to _____

Location

Waterbody / ID # _____ GPS _____
 Pond/Raceway/Lot ID _____ County _____ State _____ Zip _____

Testing:

Species	Age	Sex	Number to be tested	Total # Fish in Waterbody	Specimen Type	Tests Requested
_____	_____	_____	_____	_____	<input type="checkbox"/> fish <input type="checkbox"/> kidney/spleen <input type="checkbox"/> OV-FLD <input type="checkbox"/> viscera	<input type="checkbox"/> Complete Diagnostic Assessment <input type="checkbox"/> **Virus isolation: _____ <input type="checkbox"/> Standard Aerobic Bacterial Culture <input type="checkbox"/> Other: _____
_____	_____	_____	_____	_____	<input type="checkbox"/> fish <input type="checkbox"/> kidney/spleen <input type="checkbox"/> OV-FLD <input type="checkbox"/> viscera	<input type="checkbox"/> Complete Diagnostic Assessment <input type="checkbox"/> **Virus isolation: _____ <input type="checkbox"/> Standard Aerobic Bacterial Culture <input type="checkbox"/> Other: _____

Part III

Water Quality

Alkalinity _____
 Ammonia _____
 Nitrite _____
 pH _____

Case History for Diagnostic Submission:

Clinical Signs _____

 Duration/Observed Mortality _____
 Previous/Current Treatment _____

** Please specify either cell lines to be used or viruses of interest

*For health inspections, please ensure you have an appropriate individual involved in fish collection.

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Note: For all fish submissions, please call or email Devi Patnayak (612-626-2712 or patn0016@umn.edu) several days in advance, if possible, to ensure all necessary tests are available upon arrival. Please plan to have fish arrive at the VDL on a Monday-Wednesday (or possibly Thursday) for all Fish Health Inspection cases.

For USDA-APHIS fish health inspection, carefully read the following:

Commercial fish producers may be required to provide a fish health certificate to authorities of the receiving state or while in transit. Regulations on different diseases, sample methods, sample sizes, laboratory protocols, etc. vary between states and countries. For producers that wish to send fish out-of-state, it is suggested they consult the receiving state's fisheries or veterinarian official with jurisdiction over interstate transportation to ensure all testing requirements will be met. In Minnesota, the Department of Natural Resources regulates the movement of the fish into the state. All inspections performed at the Diagnostic Laboratory are done according to the OIE or AFS-FHS Blue Book recommendations.

Samples for interstate health certification testing is typically only accepted from a Federal or APHIS-accredited veterinarian, a State veterinarian, or personnel appropriately certified by some other state or private entity (depending on the states involved). Please ensure that the person collecting fish for sampling meets the requirements for this task based on state specific regulations. For international export of fish, please consult the VDL for additional assistance. Samples will be accepted for testing only if Part I & II on Page 1 of this form are completed.

These inspections may take up to a month for final results (due to required viral testing) and should be planned well in advance. Notifying the Diagnostic Laboratory is recommended to ensure immediate attention and scheduling.

Collection of Fish and Water Samples for Diagnostic Cases

It is critical that the fish are collected properly. For diagnostic cases, submitting several (3-6) live fish showing clinical signs of the disease will greatly increase the chances of an accurate diagnosis. Fish that are freshly dead (clear eyes, red gills, and slimy skin) are the second choice, however even at this stage several diseases cannot be diagnosed due to invasion of environmental bacteria, decomposition of tissue, and loss of external parasites. Diagnosis in fish that are beginning to decompose is as difficult as in live-healthy fish with no clinical signs of disease.

To increase the probability of catching sick fish, first try finding them swimming slowly near the edge of the pond/lake/tank/enclosure near the surface. When none are seen, catching fish randomly (snagging/netting) is best.

Shipping Fish to the Veterinary Diagnostic Laboratory

It is always recommended that you notify the Diagnostic Laboratory prior to shipping fish so proper attention can be given upon their arrival. If you have any questions regarding fish/sample submission, please contact Devi Patnayak (612-626-2712 or patn0016@umn.edu). For diagnostic cases, we highly recommend that fish are delivered to the VDL live. Timely delivery of live or recently deceased fish for diagnostic evaluation greatly increases our ability to accurately identify disease processes and potential causes of disease.

Personal delivery (Recommended)

Delivering the fish personally to the Diagnostic Laboratory will greatly reduce the shipping stresses and possibility of death in transit. At least one pathologist is on staff from 7:45 a.m. to 4:30 p.m. Monday thru Friday to assist you with your fish upon arrival. However, calling the Diagnostic Laboratory prior to your arrival will help ensure immediate attention. If the fish are expected to die en route, putting them in a clear plastic bag without water on frozen cold-packs is the best option, as dead fish in water are rarely suitable for diagnosis. Wet ice may be used (personal delivery only) if kept separate from the fish and not allowed to leak from the container.

Shipping by mail

If personal delivery to the Diagnostic Laboratory is not an option, shipping the fish overnight express is an alternative. Live fish must be in a bag of water with oxygen to sustain them for the trip. Fish too sick to survive or freshly dead fish should be placed in a clear plastic bag without water and buried among frozen ice packs. Wet ice should not be used because it commonly leaks from shipping containers. Fish may also be sent frozen, but dry ice must be used.