

Materials List for:

# Standardizing a Non-Lethal Method for Characterizing the Reproductive Status and Larval Development of Freshwater Mussels (Bivalvia: Unionida)

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## Materials

Name	Company	Catalog Number	Comments
1.5 mL snap cap centrifuge tubes	USA Scientific	1615-5510	Snap cap tubes are important in the field so the loose screw cap is not lost.
20 G needle on 10 mL disposable syringe	Exelint International	26255	sterile 10 mL disposable syringe with needle Model: 10ml Luer Lock Tip W/20G X 1 1/2"
Dissecting Microscope	any	any	
Marking Pen	Fisher Scientific	13-379-4	This is what we used but any marker that can write on small plastic tubes will do. This one is fairly ethanol and water proof.
Molecular grade ethanol	any	any	Needed if preserving gill contents. Non-denatured 95% is needed for genetic work, 70% is needed for SEM imaging work.
Paper	any	any	Needed to record information on samples collected.
Pen/pencil	any	any	If in the field, better to write on waterproof paper with pencil so it doesn't smear. If in the museum/lab, any writing utensil is fine.
Petri dish	DWK Life Sciences (Kimble)	23000-9050	This is what we used but any petri dish available is fine. It is nicer to have the taller walls in case too much water is used.
Sodium Chloride	any	any	Needed for NaCl test for reactive glochidia. Preserved samples do not need this.
Speculum	any	any	Only needed if you want help opening the valves of a live mussel.
Sterile water	any	any	Added to gill samples to be evaluated for reactivity within 24 hours of collection.
Super glue	Gorilla	Gorilla super glue gel	Used to apply tags and only needed if conducting a capture-mark-recapture study.
Tags	Hallprint	FPN 8x4	Only needed if conducting a capture-mark-recapture study.
Transfer Pipet	Thermo Scientific Samco	225	This is what we use but any transfer pipet or squirt bottle is applicable.

Tweezers	any	any	Needed to move crystals of NaCl for salt test. Preserved samples do not need this.
Waterproof paper	RainWriter	any	Only needed if conducting work in the field. This allows you to record information on each individual gill contents are extracted from.
Wooden pick	any	any	Only needed if you want help opening the valves of a live mussel.