

Materials List for

# Macro-Rheology Characterization of Gill Raker Mucus in the Silver Carp, *Hypophthalmichthys molitrix*

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jove.com/video/61379

## Materials

Name	Company	Catalog Number	Comments
<b>Materials</b>			
Kim Wipes	VWR	470224-038	To clean Sample from plate
Gloves	VWR	89428-750	To prevent contamination of sample
Pipette	VWR	89079-974	To transport sample from vial to rheometer
Pipette Tips	Thermo Scientific	72830-042	To transport sample from vial to rheometer
Shaker	VWR	89032-094	To homogenously mix sample of mucus
Vials	VWR	66008-710	Contains measured sample volumes
Weigh Scale	Ohaus	Scout –SPX Balances	To weigh mass of mucus samples
<b>Chemical Reagents</b>			
De-Ionized Water (H <sub>2</sub> O)	-	-	Liquid
Sterile 70% Isopropanol (C <sub>3</sub> H <sub>8</sub> O)	VWR	89108-162	Liquid
<b>GR Mucus</b>			
100 mg/mL concentration, 2mL	-	-	Viscoelastic Material
400 mg/mL concentration, 1mL	-	-	Viscoelastic Material
200 mg/mL concentration, 1mL	-	-	Viscoelastic Material
<b>Software</b>			
MATLAB	Mathworks	R2017a	Data analysis, post-processing and graphical representation
Trios	TA Instruments	v4.5.042498	Rheometer instrument control and analysis software