

Materials List for:

Sediment Core Extrusion Method at Millimeter Resolution Using a Calibrated, Threaded-rod

Patrick T. Schwing¹, Isabel C. Romero¹, Rebekka A. Larson², Bryan J. O'Malley¹, Erika E. Fridrik¹, Ethan A. Goddard¹, Gregg R. Brooks², David W. Hastings², Brad E. Rosenheim¹, David J. Hollander¹, Guy Grant¹, Jim Mulhollan¹

¹College of Marine Science, University of South Florida

²Marine Science and Chemistry, Eckerd College

Correspondence to: Patrick T. Schwing at pschwing@mail.usf.edu

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Materials

Name	Company	Catalog Number	Comments
Extruder	Custom Fabrication		Aluminum base and clamps, steel threaded rod
Piston	Custom Fabrication		PVC tubing with acrylic cap
Polycarbonate Core Tube	SABIC Poymershapes	68374192	
Acrylic puck/Rubber Gasket	Custom Fabrication		
Acrylic sampling collar	Custom Fabrication		
Acrylic plate	Custom Fabrication		One edge bevelled at 45 degree angle
Putty knife	Fisher Scientific	19-166-432	
Steel/Acrylic Plates	Custom Fabrication		
Electrical tape	McMaster Carr	76455A28	
Siphon or Syringe	Fisher Scientific	14-176-227, 14-823-2A	
Razor blade	Fisher Scientific	12-640	
Drill	Ryobi	P-882	
Thick rubber band	Staples	831636	2 - 3 cm in width, larger diameter than piston
Personal protection equipment	Fisher Scientific	Gloves-19-058-801C, lab coat- 17-100-850, Goggles-19-181-501	e.g., gloves, lab coat, goggles
Sample labels	Fisher Scientific	15920	
Sample vessels	Fisher Scientific	Whirlpak- 01-812-3, Jar- 02-911-791	e.g., whirlpak bags, jars, etc.
Laboratory wipes	Fisher Scientific	06-666-11	e.g., kim wipes
Methanol	Fisher Scientific	BP1105-1	
Deionized water			