

Materials List for:

High Throughput Microinjections of Sea Urchin Zygotes

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Materials

Name	Company	Catalog Number	Comments
Glass Pasteur pipettes	VWR	14673-043	
Inverted microscope Axiovert 40 °C	Zeiss	4109431007990000	Injection microscope
Microloader tips	Eppendorf	5242 956.003	Load injection solution
Nylon filter mesh 80 µm	Amazon.com	03-80-37	Filter eggs to get rid of debris
P20 or P200 Aerosol Barrier Pipette Tips	Fisher Scientific	02707432 or 02707430	Part of a mouth pipette
Parafilm	Fisher Scientific	13 374 12	Part of a mouth pipette
Polyethylene tubing	Intramedic	PE-160	Part of a mouth pipette
Protamine sulfate	MP Biomedicals, LLC	194729	Attach dejellied eggs to injection dishes
Sea urchins <i>S. purpuratus</i>	Pt. Loma Marine Invertebrate Lab	N/A	
Sea water	any pet store	Instant Ocean	
Sterile 60 mm x 15 mm Polystyrene Petri Dish	Fisher Scientific	0875713A	Injection dishes
Three-Axis Coarse Positioning Micromanipulator MMN-1	Narishige	9124	Manipulate injection needle
Three-Axis Joystick Type Oil Hydraulic Fine Micromanipulator MMO-202ND	Narishige	9212	Manipulate injection needle
Transfer pipettes	Fisher Scientific	13-711-9AM	
Vertical needle puller	Narishige	PC-10	Pull injection needles