

Materials List for:

Long-term Live Imaging Device for Improved Experimental Manipulation of Zebrafish Larvae

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Materials

Name	Company	Catalog Number	Comments
Fabricate molds			
Solidworks Professional Accedemic Research 3D modeling software	Dassault Systemes	SPX0117-01	Fisher Unitech
Viper Si2 SLA 3D printer	3D Systems Inc.	23200-902	3D Systems Inc.
Accura 60 photopolymer resin	3D Systems Inc.	24075-902	3D Systems Inc.
denatured alcohol	Sunnyside	5613735	Menards
UV post cure apparatus	3D Systems Inc.	23363-101-00	3D Systems Inc.
TouchNTuff nitrile gloves	Ansell	92-600	McMaster Carr
220B, 400B, 600 grit T414 blue-bak sandpaper	Norton	66261139359, 54, 52	MSC
borosilicate glass disc, 2" diameter	McMaster-Carr	MIL-G-47033	McMaster-Carr
ultrasonicator cleaner	Branson	1510R-MTH	
isopropyl rubbing alcohol 70%	Hydrox	54845T43	McMaster-Carr
10oz clear plastic cup	WNA Masterpiece	557405	Amazon
6"craft stick	Perfect Stix	Craft WTD-500	Amazon
Name	Company	Catalog Number	Comments
Fabricate zWEDGI PDMS device			
Sylgard 184 silicon elastomeric kit	Dow-Corning	4019862	Ellworth Adhesives
10mL syringe	Becton Dickinson	305219	Vitality Medical Inc
desiccator	Bel-Art Scienceware	F42027-0000	Amazon
4 in ratcheting bar clamp	Pittsburgh	68974	Harbor Freight
lab oven	Quincy Lab Inc.	20GC	Global Industrial
tweezer set	Aven	549825	McMaster-Carr
compressed air filtered nozzle	Innotech	TA-N2-2000FT	Cleanroom Supply
vacuum bench vise	Wilton Tool Group	63500	MSC Industrial
55mm glass bottom dish; 30mm micro-well #1.5 cover glass	Cellvis	D60-30-1.5-N	Cellvis
plasma cleaner	Harrick Plasma	PDC-001	Harrick Plasma
Name	Company	Catalog Number	Comments

Loading Larvae			
Pipetteman, P200	Gilson	F123601	
100% ethanol (diluted to 70% with water prior to use)	Pharmco-aaper	111000200	
Transfer pipette	Fisherbrand	13-711-5A	Fisher Scientific
powdered skim milk		2902887	MP Biomedicals
double distilled water			
N-phenylthiourea	Sigma-Aldrich	P7629	Sigma-Aldrich
tricaine (ethyl 3-aminobenzoate)		C-FINQ-UE	Western Chemical
low melting point agarose	Sigma-Aldrich	A0701	Sigma-Aldrich
heat block (dry bath incubator)	Fisher Scientific	11-718-2	Fisher Scientific
E3 buffer			
large orifice pipette tip, 200 uL	Fisherbrand	02-707-134	Fisher Scientific
General purpose pipette tip, 200 uL	Fisherbrand	21-197-8E	Fisher Scientific
#15 scalpel blade	Feather	2976	Amazon
25G syringe needle	BD	BD305122	Fisher Scientific
Name	Company	Catalog Number	Comments
Imaging			
inverted microscope			
Imaris imaging software	Bitplane		