

Materials List for:

Fabrication of Refractive-index-matched Devices for Biomedical Microfluidics

Edward R. Polanco¹, Nicholas Western¹, Thomas A. Zangle^{1,2}

¹Department of Chemical Engineering, University of Utah

²Huntsman Cancer Institute, University of Utah

Correspondence to: Thomas A. Zangle at tzangle@chemeng.utah.edu

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Materials

Name	Company	Catalog Number	Comments
MY133-V2000	MY Polymers	MY133-V2000	
Sylgard 184	Ellsworth Adhesives	184 SIL ELAST KIT 0.5KG	
Fisher Premium microscope slides	Fisher Scientific	12-544-4	
.118"(3.0mm) x 12" x 12" Acrylic Sheet	United States Plastic Corp	44290	
.060"(1.5mm) x 12" x 12" Acrylic Sheet	United States Plastic Corp	44200	
SCIGRIP 3 Very Fast Set Acrylic Cement	United States Plastic Corp	45735	
Standard Aluminum Foil (.6 mm thick)	VWR	89107-726	
Kim Wipes	Fisher Scientific	06-666	
Insta-Cure+ Super Glue	Bob Smith Industries	BSI-109	
1/8" PVC tubing	McMaster Carr	5231K55	
McCormick Food Coloring	Target	13353207	
X-Acto #1 Precision Knife	X-Acto	X3201	
X-Acto #18 Heavyweight wood chiseling blade	X-Acto	X218	
VWR Razor Blades	VWR	55411-055	
Surface Treated Cell Culture Dishes	Fisher Scientific	FBO12922	
Fibronectin Human Plasma	Sigma-Aldrich	F0895-1MG	
Trypsin-EDTA 10x	Fisher Scientific	15-400-054	
Corning Dulbecco's Phosphate Buffered Saline	Fisher Scientific	MT21030CM	
Gibco Penicillin-Streptomycin	Fisher Scientific	15-140-148	
HyClone Nonessential Amino Acids 100x	Fisher Scientific	SH3023801	
Fetal Bovine Serum	Omega Scientific	FB-12	
Corning DMEM with L-glutamine and glucose	Fisher Scientific	MT10013CV	
Trichloro(1H,1H,2H,2H-perfluorooctyl)silane	Sigma-Aldrich	448931	Reacts violently with water
Ethanol, 200 proof Decon Labs	Fisher Scientific	04-355-223	
Acetone	Fisher Scientific	A18P-4	
Bel-Art 42025 Plastic Dessicator	Cole-Parmer	EW-06514-30	
Epilog Fusion Laser Cutter, 120 W	Epilog Laser	Epilog Fusion M2 32 Laser	
Isotemp Stirring Hotplate	Fisher Scientific	SP88850200	

Ateco 14111 1.5 inch stainless steel cutter	Ateco	14111	
Pyrex Glass Cell Culture Dish	Fisher Scientific	08-747B	
Radio Frequency Plasma Cleaner	Harrick Plasma	PDC-32G	Used with Oxygen gas
Black Hole Laboratories Digivac	Black Hole Laboratories	Model 215	
Intelli-Ray Ultraviolet Oven	Uvitron	UVO338	
Compact Spin Coater	MTI Corporation	VTC-100A	
Fisher Brand Isotemp Oven	Fisher Scientific	15-103-0510	Forced Air Convection
Gilson Positive Displacement Pipette P1000	Fisher Scientific	FD10006G	
HeraCell VIOS 160i	Fisher Scientific	13 998 212PM	