

Materials List for:

Process of Making Three-dimensional Microstructures using Vaporization of a Sacrificial Component

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Materials

Name	Company	Catalog Number	Comments
Reagent			
Tin (II) oxalate	Sigma-Aldrich	402761	
Disperbyk 130	BYK Additives Instruments		
Trifluoroethanol	Halocarbon		
Malachite Green (technical grade)	Sigma-Aldrich	M6880	
Sodium hydroxide (≥98%, pellets)	Sigma-Aldrich	S5881	
Polydimethylsiloxane (PDMS)	Dow Corning	3097358-1004	Distributed from Ellsworth Adhesives
Poly(lactic) acid fibers	Teijin Monofilament		
Material			
RW 20 Digital Mixer	IKA	3593001	
Desiccator Jar	Pyrex		
Vacuum Oven	Fisher Scientific		
Third Hand	Jameco Electronics	26690	Plate holder
Glue Gun	Stanley	GR20L	
PLA Spindle			Custom made
Tensioning Board			Custom made