

Materials List for:

Development of a 3D Graphene Electrode Dielectrophoretic Device

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Materials

Name	Company	Catalog Number	Comments
Polystyrene Beads	Spherotech, Inc.	PP-60-10	6.08 μm diameter
Graphene paper	XG Sciences, Inc.	XG Leaf B-072	
Double sided tape	3M	N/A	136 office tape
Silver conductive epoxy	MG chemicals	8331-14G	Part A & B included
Mannitol	Sigma Aldrich	091M0020V	
Phosphate buffer saline	OmniPur	0381C490	
Microscope (CCD Camera)	Zeiss	Axiovert 200M	
Function/waveform generator	Agilent	33250A	
Syringe	Hamilton	84505	
Paper Clamp	ADAMS	3300-50-3848	
Oven	Fisher Scientific	280A	
Multimeter	OMEGA	HHM25	
Micro-milling machine	AEROTECH	ABL1500 stages/A3200 Npaq controller	
End mill	ULTRATOOL	708473	
AxioVision	Zeiss	Version 4.8	