

Materials List for:

Automated Robotic Dispensing Technique for Surface Guidance and Bioprinting of Cells

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Materials

Name	Company	Catalog Number	Comments
Equipment			
Robotic Dispensing System	Janome	2300N	
Plasma Machine	Femto Science	Covance	
USB Microscope			
Optical Microscope	Olympus	IX71	
Name			
Company			
Catalog Number			
Comments			
Software			
Spreadsheet	Excel	Excel	
Printing Co-ordinate Software	Janome	JR C-Points	
Imaging Software	National Institutes of Health (NIH)	ImageJ	
Name			
Company			
Catalog Number			
Comments			
Equipment			
Stylus (Blade)	OLFA	AK-5	
5 ml printing syringe	San-ei Tech	SH10LL-B	
30 G printing needle	San-ei Tech	SH30-0.25-B	
1 mm polystyrene sheets		Purchased locally	
Fetal bovine serum	Invitrogen	10270-098	
Phosphate buffered saline	Invitrogen		
Gelatin from porcine skin, Gel strength 300, Type A	Sigma Aldrich	9000-70-8	
αMEM	Invitrogen	41061-029	
Antibiotic antimycotic	Sigma Aldrich	A5955-100ML	
Red Fluorescent Protein Mesenchymal Stem Cells (RFP- MSCs)	Cyagen Biosciences Incorporation	RASM-X-01201	