

Materials List for:

Expanding Nanopatterned Substrates Using Stitch Technique for Nanotopographical Modulation of Cell Behavior

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Materials

Name	Company	Catalog Number	Comments
JEOL field emission SEM	JEOL	JSM-7600F	EBL
E-beam evaporator	Kurt J. Lesker	Model: LAB 18 e-beam evaporator	nickel deposition
Trion Minilock III ICP/RIE	Trion technology	Model: Minilock-phantom III	
Press machine	PHI Hydraulic Press	Molde: SQ-230H	
Spin coater	Laurell Technologies	Modle: WS-400A-6NPP-LITE	
CO ₂ critical dryer	Tousimis	Modle: Autosamdri-815	
Silicon wafer	University Wafer	1080	
Aluminum plates	McMaster-carr	9057K123	
Teflon sheets	McMaster-carr	8711K92	
100 mm Petri dish	FALCON	353003	
60 mm Petri dish	FALCON	353004	
Glass coverslip	Fisher Scientific	12-542-B	
Glass slide	Fisher Scientific	12-550-34	
Disposable weighing boats	Fisher Scientific	13-735-743	
Glass desiccator	Fisher Scientific	02-913-360	
Plastic desiccator	Bel-Art Products	F42025-000	
Hotplate	Fisher Scientific	1110049SH	
Tweezer	Ted Pella, inc.	5726	
Blade	Fisher Scientific	S17302	
Metal blocks	McMaster-carr		
Punch	Brettuns Village Leather Craft Supplies	Arch punch	
Poly(methyl methacrylate)	MicroChem	495 PMMA A4	
PDMS	Dow Corning	Sylgard 184 kit	
Polystyrene	Dow Chemical	Styron 685D	
1H,1H,2H,2H-perfluorooctylmethylchlorosilane	Oakwood Chemical	7142	
Developer	MicroChem	MIBK/IPA at 1: 3 ratio	
Remover	MicroChem	Remover PG	
Ethanol	Fisher Scientific	BP2818500	
Toluene	Fisher Scientific	T324-500	
Phosphate buffered saline	Sigma Aldrich	D8537	
Dulbecco's modified eagle medium	Sigma Aldrich	D5796	
Fetal bovine serum	Atlanta Biologicals	S11550	

Paraformaldehyde	Electron Microscopy Science	15712-S	
Glutaraldehyde	Fisher Chemical	G151-1	
Fibronectin	Corning	356008	
A549 cells	ATCC	ATCC CCL-185	