

Materials List for:

Density Gradient Multilayered Polymerization (DGMP): A Novel Technique for Creating Multi-compartment, Customizable Scaffolds for Tissue Engineering

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Materials

Name	Company	Catalog Number	Comments
Polyethylene glycol succinimideyl carboxymethyl (a-PEG-SCM)	Laysan	120-64	
Polyethylene glycol diacrylate (PEGda)	Dajac Labs	9359	
Arginine-Glycine-Aspartic acid-Serine (RGDS)	American Peptide	49-01-4	
<i>N,N</i> -Diisopropylethylamine (DIPEA)	Sigma	D125806	
Dimethyl sulfoxide (DMSO)	Sigma	D2438	
<i>N,N</i> -dimethylformamide (DMF)	Fisher	D119-4	
Tetrahydrofuran (THF)	Fisher	T397	
Dialysis cassette (3500 Da)	Thermo Scientific	66330	
Alexa Fluor 350 carboxylic acid succinimideyl ester	Life Technologies	A-10168	
Sigmacote	Sigma	SL2	
Silicone spacers	Grainger	1MWA4	
Biopsy punches	Acuderm	P1025 (10 mm) P850 (8 mm)	
Dulbecco's phosphate buffered saline (DPBS)	Hyclone	SH30028	
Iodixanol (Nycoprep)	Fisher	NC9388846	
2-Hydroxy-4'-(2-hydroxyethoxy)-2-methylpropiophenone	Sigma	410896	
Dulbecco's modified Eagle's medium (DMEM)	Life Technologies	11054	
Fetal bovine serum	Life Technologies	10082	
Penicillin-streptomycin	Life Technologies	15140	
C2C12 myoblasts	ATCC	CRL-1772	
MALDI	Bruker	N/A	
UVR-9000	Bayco	UVR-9000	
VersaDoc	Bio-Rad	N/A	