

Materials List for:

Culturing Mammalian Cells in Three-dimensional Peptide Scaffolds

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Materials

Name	Company	Catalog Number	Comments
Human articular chondrocytes (Ach)	Lonza	CC-2550	
RAD16-I peptide solution (PuraMatrix)	Corning	354250	
Sucrose (tissue culture grade)	Sigma	S0389	
Cell culture inserts (0.4 µm pore, 12 mm diameter)	Millipore	PICM01250	
Chondrocyte Basal Medium (CBM)	Lonza	CC-3217	
SingleQuots of Growth Supplements	Lonza	CC-4409	
Live/Dead Viability/Cytotoxicity Kit	Invitrogen	L3224	
Fetal bovine serum (FBS)	Lonza	DE14-801F	
Dexamethasone	Sigma	D8893	
L-ascorbic acid 2-phosphate (AA2P)	Sigma	A8960	
Human transforming growth factor-β1 (TGF-β1)	Millipore	GF111	
RIPA buffer	Sigma	R0278	
Protease inhibitor cocktail	Roche	11836153001	
Polyvinylidene difluoride (PVDF) membrane	Invitrogen	LC 2005	
SuperSignal West Pico Chemiluminescent Substrate	Thermo Scientific	34080	
Anti-Actin	SCBT	sc-1615	
Anti-Collagen I	Abcam	ab138492	
Anti-Collagen II	Abcam	ab3092	
Anti-Collagen X	Abcam	ab182563	
Antigoat IgG-HRP	Abcam	ab97100	
Anti-mouse IgG-HRP	Abcam	ab97023	
Anti-rabbit IgG-HRP	Abcam	ab97051	