

Materials List for:

Cellular Encapsulation in 3D Hydrogels for Tissue Engineering

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Materials

Name	Type	Company	Catalog Number	Comments
I2959	Reagent	Ciba Specialty Chemicals		
.2 M Triethanolamine Buffer	Reagent	Sigma-Aldrich	T0449	
PBS	Reagent	Invitrogen	14040-117	1x, sterile liquid
Live/Dead staining kit	Reagent	Invitrogen	L3224	Includes live (Calcein AM) and dead (ethidium homodimer-1) probes
Phalloidin-FITC	Reagent	Sigma-Aldrich	P5282	
Rhodamine Phalloidin	Reagent	Invitrogen	R415	
DAPI	Reagent	Sigma-Aldrich	D9542	
Methacryloxyethyl thiocarbamoyl rhodamine B (MeRho)	Reagent	Polysciences, Inc.	23591	
Bovine Serum Albumin	Reagent	Sigma-Aldrich	A7030	
Tween 20	Reagent	Sigma-Aldrich	P1379	
Triton X-100	Reagent	Sigma-Aldrich	T8787	
Citrisolv	Reagent	Fisher Scientific	22-143975	
Micro-cut paraffin	Reagent	Polysciences, Inc.	24202	
Trizol reagent	Reagent	Invitrogen	15596-026	
0.22 µm pore size nylon syringe filters	Equipment	Fisher Scientific	09-719C	
1 mL disposable syringes	Equipment	BD Biosciences	309602	Cut syringes at consistent height for UV exposure
Wide orifice pipette tips	Equipment	Sigma-Aldrich	P6800	
Omicure UV Spot Cure System with 365 nm filter	Equipment	EXFO	S1000	
254 nm germicidal UV light source	Equipment			Built into most biological safety cabinets