

Materials List for:

Preparation of Chitosan-based Injectable Hydrogels and Its Application in 3D Cell Culture

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Materials

Name	Company	Catalog Number	Comments
Glycol chitosan	Wako Pure Chemical Industries	39280-86-9	90% degree of deacetylation
4-Carboxybenzaldehyde	Shanghai Aladdin Bio-Chem Technology Co.,LTD	619-66-9	99%
N, N'-dicyclohexylcarbodiimide	Shanghai Aladdin Bio-Chem Technology Co.,LTD	538-75-0	99%
Calcium chloride anhydrous	Shanghai Aladdin Bio-Chem Technology Co.,LTD	10043-52-4	96%
4-dimethylamipryidine	Shanghai Aladdin Bio-Chem Technology Co.,LTD	1122-58	99%
Polyethyleneglycol	Sino-pharm Chemical Reagent	5254-43-7	99%
Tetrahydrofuran	Sino-pharm Chemical Reagent	109-99-9	99%
Toluene	Sino-pharm Chemical Reagent	108-88-3	99%
Ethyl ether	Sino-pharm Chemical Reagent	60-29-7	99%
Acetic acid	Sino-pharm Chemical Reagent	64-19-7	99%
Anhydrous CaCl ₂	Sino-pharm Chemical Reagent	10043-52-4	99%
Fluorescein diacetate	Sigma	596-09-8	99%
Propidium iodide	Sigma	25535-16-4	94%
RPML-1640 culture media	Gibco		
Fetal bovine serum	Gibco		
Trypsin-EDTA	Gibco		0.25%
PBS	Solarbio		0.01 M
Penicillin streptomycin solution	Hyclone		10,000 U/mL
Rheometer	TA Instrument		AR-G2
Confocal microscope	Zeiss		710-3channel
L929 Cells	ATCC		NCTC clone 929; L cell, L929, derivative of Strain L
Evaporator	EYELA		N-1100
48 guage needle	ShanghaiZhiyu Medical Material Co., LTD		48-guage
Microscope	Leica		DM3000 B
Microscope software	Imaris		
Heat gun	Confu		KF-5843
Petri dish	NEST		