

Materials List for:

## **Expansion of Two-dimension Electrospun Nanofiber Mats into Three-dimension Scaffolds**

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## **Materials**

Name	Company	Catalog Number	Comments
Polycaprolactone	Sigma-Aldrich	440744	
N,N-Dimethlyformamide	Fisher Chemical	D-199-1	
Dichloromethane	Fisher Chemical	AC61093-1000	
Coumarin 6	Sigma-Aldrich	546283	
Rotating Steel Drum	customized		This serves as a collector during electrospinning.
Syringe Pump	Fisher Scientific	14-831-200	Coaxial spinning requires two single syringe pumps.
Revolver	Lab Net International	H5600	Adjustable lab rotator for mixing solutions
Hypodermic Needle (27G x 1 1/2")	EXCELINT International Co	26426	This is part of the example customized coaxial nozzel shown.
Hypodermic Needle (21G x 1 1/2")	EXCELINT International Co	26416	This is part of the example customized coaxial nozzel shown.
High Voltage DC Power Supply	Gamma High Voltage Research	ES30	
Scanning Electron Microscope	FEI	Nova 2300	
Fluorescence Microscope	Zeiss	Axio Imager 2	
LL 37 ELISA Kit	Hycult Biotech	HK321-02	