

Materials List for:

## **Electrospinning Fibrous Polymer Scaffolds for Tissue Engineering and Cell Culture**

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URL: https://www.jove.com/video/1589

DOI: doi:10.3791/1589

## **Materials**

Name	Туре	Company	Catalog Number	Comments
DAPI	Reagent	Invitrogen	D1306	Comments
12959		Ciba Specialty Chemicals	D 1300	
	Reagent	· · ·	47500	
PEO 200 kDa		Polysciences, Inc.	17503	
PEO 900 kDa	Reagent	Sigma-Aldrich	189456	
Methacryloxethyl thiocarbamoyl rhodamine B	Reagent	Polysciences, Inc.	23591-100	Prepare stock solution in DMSO
Live/Dead Stain Kit	Reagent	Invitrogen	L3224	Contains Calcein (stains live cells green) and ethidium homodime (stains red dead cells)
Syringe Pump	Equipment	KD Scientific	KDS100	Two are needed for dual polymer spinning
Power Source	Equipment	Gamma High Voltage	ES30P-5W	Two are needed for dual polymer spinning
Motor	Equipment	Triem Electric Motors, Inc	0132022-15	Must attach to a custom built mandrel
Tachometer	Equipment	Network Tool Warehouse	ESI-330	Use to monitor mandrel speed
Omnicure UV Spot Cure System with collimating adapter	Equipment	EXFO	S1000	
Silicone Tubing	Equipment	McMaster-Carr	51135K151	
Luer Lock Female Adapter	Equipment	McMaster-Carr	51525K293	
Luer Lock Male Adapter	Equipment	McMaster-Carr	51525K143	
Needles	Equipment	Fisher Scientific	14-825-16H	
Coverslips	Equipment	Corning	2875-22	