

Materials List for:

Microfluidic Dry-spinning and Characterization of Regenerated Silk Fibroin Fibers

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Materials

Name	Company	Catalog Number	Comments
<i>B. mori</i> Cocoons	Farmer in Tongxiang, Zhejiang Province, China		
Sodium carbonate, anhydrous, 99.8%	Shanghai Lingfeng Chemical Reagent Co., Ltd., China		Analytically Pure
Lithium bromide, 99.1%	Shanghai China Lithium Industrial Co., Ltd., China		Analytically Pure
Calcium chloride, anhydrous, 96.0%	Shanghai Lingfeng Chemical Reagent Co., Ltd., China		Analytically Pure
Ethanol, anhydrous, 99.7%	Sinopharm Group Chemical Reagent Co., Ltd., China	10009218	Analytically Pure
SU-8 photoresist	MicroChem Corp., USA		
Developing solution	MicroChem Corp., USA		
Sylgard 184	Dow Corning, USA		
Isopropanol	Shanghai Lingfeng Chemical Reagent Co., Ltd., China		Analytically Pure
Concentrated sulfuric acid	Pinghu Chemical Reagent Factory, China		Analytically Pure
30 vol% hydrogen peroxide	Shanghai Jinlu Chemical reagent Co., Ltd., China		Analytically Pure
Acetone	Shanghai Zhengxing Chemical Reagent Factory, China		Analytically Pure
Oxygen plasma treatment	DT-01, Suzhou Omega Machinery Electronic Technology Co., Ltd., China		
Syringe pump	KD Scientific, USA		KDS 200P
Humidifier	SEN electric		
Driller	Hangzhou Bo Yang Machinery Co., Ltd., China		bench drilling machine Z406c
Material testing system	Instron, USA		Model: 5565
PeakFit	Systat Software, Inc., USA		Version 4.12