

Materials List for:

Fabrication of Small Caliber Stent-grafts Using Electrospinning and Balloon Expandable Bare Metal Stents

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Materials

Name	Company	Catalog Number	Comments
Glass syringe	Air Tite	7.140-33	Syringe for spinneret
Graduated cylinder 5 ml	Fisher Scientific	08-552-4G	5 ml pyrex graduated cylinder about 9 mm diameter and 11 cm long
High voltage generator	Bertan Associates, Inc.	205A-30P	Used to apply voltage difference across spinneret and collector
Laboratory mixer with rpm control	Scilogex	SCI-84010201	Available from various laboratory equipment suppliers
Polyurethane	DSM	BioSpan SPU	Biospan Segmented Polyurethane
Rubber sheet	McMaster Carr	1370N11	Used to insulate syringe during electrospinning
Stainless steel mandrel	N/A	N/A	Manufactured
Stainless steel needle	Hamilton	91018	Used as spinneret in electrospinning
Support material	EnvisionTec	B04-HT-DEMOMAT	Biocompatible water soluble material
Syringe Pump	Harvard Apparatus	55-3333	