

Materials List for:

Quantifying the Mechanical Properties of the Endothelial Glycocalyx with Atomic Force Microscopy

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Materials

Name	Company	Catalog Number	Comments
McCoy's Medium	Gibco	16600-082	
Fetal Calf Serum	Hyclone	SH30070	
Endothelial Cell Growth Medium	Vec Technologies	MCDB-131	
Pooled Human Umbilical Vein Endothelial Cells	Vec Technologies	PHUVEC/T-25	
Sulfuric Acid	JT Baker	9681-02	
Hydrogen Peroxide	VWR	BDH3742-1	
(3-aminopropyl)triethoxysilane	Aldrich	440140-100ML	
Isopropyl Alcohol	VWR	BDH8999-4	
Trypsin	Cellgro	25-054-C1	
Hank's Buffered Salt Solution	Gibco	14175-095	
sulfo-NHS-LC-Biotin	Thermo Scientific	21335	
Streptavidin beads	Dynabeads	112.06D	
MFP-3D AFM	Asylum Research		
Tipless Cantilevers	Nanoworld	ARROW-TL1-50	
Silhouette SD	Quickutz	Silhouette-SD	
Silicone Rubber	Stockwell Elastomerics	SE50-RS	
30 ml Syringes	Benton Dickinson	309650	
18 gauge needles	Benton Dickinson	305196	
Extension Sets	Hospira	4429-48	
4 way valves	Teleflex	W21372	
Male/Female Port Caps	Smith's Medical	MX491B	
Peristaltic Pump	Watson-Marlow	401U/D	
Peristaltic Tubing	Watson-Marlow	903.0016.016	
sterile filters	Pall Life Science	4652	