

Materials List for

In Vitro 3D Cell-Cultured Arterial Models for Studying Vascular Drug Targeting Under Flow

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jove.com/video/62279

Materials

Name	Company	Catalog Number	Comments
3D printer	FormLabs	PKG-F2-REFURB	
Acetone, absolute (AR grade)			
Connectors	Nordson Medical	FTLL013-1	Female Luer
		FTLL230-1	Female Luer
		FTLL360-1	Female Luer
		LP4-1	Male Luer Integral Lock
Damper	Thermo-Fisher Scientific	DS2127-0250	Nalgene Polycarbonate, Validation Bottle
Damper Cover	Thermo-Fisher Scientific	2162-0531	Nalgene Filling/Venting Closures
Elastosil Elastosil RT 601 A	Wacker	60003805	
Elastosil RT 601 B	Wacker	60003817	The crosslinker
Endothelial Cell Media	ScienCell	1001	
Fibronectin	Sigma Aldrich	F0895-5mg	
HUVEC	Lonza	CC-2519	
Isopropyl alcohol, AR grade 99.5%			Remove plastic dust from the sanded model
Lacquer	Rust-Oleum		2X-Ultra cover Gloss Clear
Matlab	Mathworks		https://www.mathworks.com/products/matlab.html
Microscope	Nikon	SMZ25	
Microscope Camera	Nikon	DS-Qi2	
Peristaltic pump	Watson Marlow	530U IP31	With 2 pumpheads: 313D
Plastic tube clamp	Quickun	1-2240-stopvalve-2pcs	
Polystyrene Particles	Thermo-Fisher Scientific	F8827	Diameter = 2 μ m
Printer resin	FormLabs	RS-F2-GPCL-04	
Rotator	ELMI Ltd.		Intelli-Mixer RM-2
Solidworks	SolidWorks Corp., Dassault Systèmes		https://www.solidworks.com/
Tubing	Watson Marlow	933.0064.016	Tubing for the pump: 6.4 mm ID

All the other tubing: Silicon tubing: 4 mm ID