

Materials List for:

Meso-Scale Particle Image Velocimetry Studies of Neurovascular Flows *In Vitro*

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Materials

Name	Company	Catalog Number	Comments
Solidworks 2015	Dassault Systems	N/A	CAD Software
Dow Corning Sylgard 184 Kit	Ellsworth Adhesive	184 SIL ELAST KIT 3.9KG	PDMS Kit
Stratasys Dimension Elite	Stratasys	9180-00105	3D printer
P430 Model Material Cartridge	Stratasys	340-21202	ABS build material
P400 SR Soluble Support Material Cartridge	Stratasys	340-30200	Support material
CleanStation DT3	PM3 Technologies	00-00300R	Base bath
Lindberg Blue M LGO Box Furnace	Thermo Scientific	LB305745M	Oven
21G BD PrecisionGlide Needle	Betcon Dickenson	BD 305167	Branching perforator mold segment
Desiccator (Vacuum)	Polylab	55205	Desiccator
Branson 1800 Ultrasonic Cleaning	Branson	CPX-952-116R	Sonicator
Acetone	Fisher Chemical	A9494	Acetone
Isopropol Alcohol	Fisher Chemical	A4514	Isopropol Alcohol
Glycerol	Fisher Chemical	GW33500	Glycerol
10um Polystyrene Yellow-Green Fluorescent Particles	Magsphere	PSF-010UM	Fluorescent beads
Phantom Miro	Vision Research	Miro M310	High speed camera
Micropump	Cole-Parmer	81101	Recirculating pump
Leica DM2000	Leica Microsystems	DM2000	Fluorescent Microscope
Leica 10X Objective	Leica Microsystems	506259	Objective for perforator
Leica 2.5X Objective	Leica Microsystems	11506083	Objective aneurysm sac
Leica Blue Filter Cube L5	Leica Microsystems	513840	Blue filter cube
Leica EL6000	Leica Microsystems	11504115	Light source
Alconox	Alconox Inc	1104-1	Detergent
ImageJ	NIH	N/A	Open source image analysis software https://imagej.nih.gov/ij/
Particle Image Velocimetry PIV Plugin	Qingsong Tseng	N/A	https://sites.google.com/site/qingzongtseng/piv