

Materials List for:

The Use of the *Ex Vivo* Chandler Loop Apparatus to Assess the Biocompatibility of Modified Polymeric Blood Conduits

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Materials

Name	Company	Catalog Number	Comments
16% Paraformaldehyde (PFA)	Thermo Scientific	58906	Caution! Use in fume hood
25% Glutaraldehyde	VWR	AAA17876-AP	Caution! Use in fume hood
2-pyridyldithio,benzophenone (PDT-BzPH)	Synthesized in lab	N/A	
Bovine Serum Albumin (BSA)	Sigma	A3059-100G	
Citrate	Sigma	S5770-50ML	
Digital Camera	Leica	DC500	Out of production
Dimethylformamide (DMF)	Sigma	270547-100ML	Caution! Use in fume hood
Dulbecco's Phosphate Buffered Saline (DPBS)	Gibco/Life Technologies	14190-136	
Fluorescent Microscope	Nikon	TE300	
Glacial Acetic Acid	Fisher Scientific	A38-212	Caution! Use in fume hood
Human CD47 (B6H12) – FITC Antibody	Santa Cruz Biotechnology	SC-12730	
Osmium Tetroxide	Acros Organics	197450050	Caution! Use in fume hood
Potassium Bicarbonate (KHCO ₃)	Sigma	237205-100G	
Potassium Phosphate Monobasic (KH ₂ PO ₄)	Sigma	P5655-100G	
PVC Tubing (Cardiovascular Procedure Kit)	Terumo Cardiovascular Systems	60050	Most clinical-grade tubing will work
Scanning Electron Microscope	JEOL	JSM-T330A	
Sodium Chloride (NaCl)	Fisher Scientific	BP358-212	
Microplate Reader	Molecular Devices	Spectramax Gemini EM	
Sulfo-SMCC	Sigma	M6035-10MG	Moisture Sensitive!
tris (2-carboxyethyl) phosphine (TCEP-HCl)	Thermo Scientific	20491	
Tween-20	Bio-Rad	170-6531	
Vectashield with DAPI	Fisher Scientific	H-1200	Light sensitive!
Zeba Spin Desalt Columns – 7 K MWCO	Thermo Scientific	89891	