

Materials List for:

Fabrication and Visualization of Capillary Bridges in Slit Pore Geometry

David J. Broesch¹, Joelle Frechette¹

¹Chemical and Biomolecular Engineering Department, Johns Hopkins University

Correspondence to: Joelle Frechette at jfrechette@jhu.edu

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Materials

Name	Company	Catalog Number	Comments
99.999% Gold wire	Kurt J. Lesker	EVMAU40040	
Acetone	Pharmco-AAPER	C1107283	
Dimethyl sulfoxide	Fisher	D128-500	
Ethanol (200 proof)	Pharmco-AAPER	111000200	
Hydrochloric acid	EMD	HX0603-4	
Hydrogen peroxide (30%)	EMD	HX0635-3	
Isopropyl alcohol	Fisher	L-13597	
Mercapto hexadecanoic acid (90%)	Sigma-Aldrich	448303-1G	
Mercapto-propyl-trimethoxy-silane (MPTS)	Gelest	Sim6476-O-100GM	
Milli-Q DI water	Millipore	Milli-Q	
Nitrogen (gas)	Airgas	UN1066	
Oxygen (gas)	Airgas	UN1072	
Silicon wafers (4 in)	WRS Materials	CC8506	
SU-8 2002 (negative photo resist)	MicroChem	SU82002	
SU-8 2050 (negative photoresist)	MicroChem	SU82050	
SU-8 Developer solution	MicroChem	Y020100 4000L1PE	
Sulfuric acid	J.T. Baker	9681-03	
Poly dimethyl sulfoxide (PDMS)	Dow Corning	Sylgard -184	
Toluene	Omnisolv	TX0737-1	