

Materials List for:

Millifluidics for Chemical Synthesis and Time-resolved Mechanistic Studies

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Materials

Name	Company	Catalog Number	Comments
Copper (II) nitrate hydrate	Sigma-Aldrich	13778-31-9	99.999% pure
O-[2-(3-mercaptopropionylamino)ethyl]-O'-methylpolyethylene glycol	Sigma-Aldrich	401916-61-8	MW=5,000
HAuCl ₄ ·3H ₂ O (Chloroauric acid)	Sigma-Aldrich	27988-77-8	99.999% pure
meso-2,3-dimercaptosuccinic acid (DMSA)	Sigma-Aldrich	304-55-2	~98% pure
4-Nitrophenol	Sigma-Aldrich	100-02-7	spectrophotometric grade
4-Aminophenol	Sigma-Aldrich	123-30-8	>99% pure (HPLC grade)
Sodium borohydride	Sigma-Aldrich	16940-66-2	98% pure
Sodium hydroxide pellets	Sigma-Aldrich	1310-73-2	99.99% pure
EQUIPMENT			
Millifluidic Chips	Microplumbers Microsciences LLC	SDC-01	Made from polyester terephthalate polymer
Pressure Pump	Mitos P-Pump, Dolomite	3200016	
Automated Syringe Pump	Cetoni Automation and Microsystems, GmbH		Syringe pump neMESYS
UV-3600 UV-VIS-NIR Spectrophotometer	Shimadzu		
Hand-held Millifluidic Device	Millifluidica	SCMD-1008	Figure 7