

Materials List for:

Using Polystyrene-*block*-poly(acrylic acid)-coated Metal Nanoparticles as Monomers for Their Homo- and Co-polymerization

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Materials

Name	Company	Catalog Number	Comments
Gold(III) chloride trihydrate, ACS reagent, ≥49.0% Au basis	Sigma-Aldrich	G4022	H ₂ AuCl ₄
Sodium citrate dihydrate, 99%	Alfa Aesar	A12274	
Sodium borohydride, ≥99%	Sigma-Aldrich	71321, Fluka	
Hexadecyltrimethylammonium bromide, ≥98%	Sigma-Aldrich	H5882	CTAB
Silver Nitrate, 99.9999% trace metals basis	Sigma-Aldrich	204390	
L-ascorbic acid, BioXtra, ≥99.0%, crystalline	Sigma-Aldrich	A5960	
Tellurium dioxide, ≥99%	Sigma-Aldrich	243450	
Hydrazine monohydrate, 64-65%, reagent grade, 98%	Sigma-Aldrich	207942	
Poly(styrene- <i>b</i> -acrylic acid) (PS ₁₅₄ -PAA ₄₉)	Polymer Source	P4673A-SAA	PS16000-PAA3500
Poly(styrene- <i>b</i> -acrylic acid) (PS ₁₄₄ -PAA ₂₈)	Polymer Source	P4002-SAA	PS15000-PAA1600
2-Naphthalenethiol, ≥99.0% (GC)	Sigma-Aldrich	88910, Fluka	
Sodium dodecyl sulfate, 99%	Alfa Aesar	A11183	
single wall carbon nanotubes, 99% ultra-pure	NanoIntegris	PC10344a	
Sodium hydroxide	Sinopharm	S1900136	
1,2-dipalmitoyl- <i>sn</i> -glycero-3-phosphothioethanol (sodium salt)	Avanti polar lipids	870160P	PSH
<i>N,N</i> -dimethylformamide	Merck	SA4s640012	
Ethanol, absolute	Fischer	E/0650DF/17	
Hydrochloric acid, 37%	Honey well	10189005	Dilute to 1 M before use