

Materials List for:

Synthesis and Reaction Chemistry of Nanosize Monosodium Titanate

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Materials

Name	Company	Catalog Number	Comments
Titanium(IV) isopropoxide	Sigma Aldrich	377996	99.999% trace metals basis
Isopropyl alcohol, 99.9%	Sigma Aldrich	650447	HPLC grade (Chomasolv)
Sodium methoxide in methanol	Sigma Aldrich	156256	25 wt%
Triton X-100	Sigma Aldrich	T9284	BioXtra
hydrogen tetrachloroaurate(III) trihydrate	Sigma Aldrich	G4022	ACS reagent grade
hydrogen peroxide (30 wt%)	Fisher	H325	Certified ACS
10-ml syringes	Fisher	14-823-16E	
Dual channel syringe pump	Cole Parmer	EW-74900-10	Or equivalent programmable dual channel syringe pump
Tygon tubing 1/8 inch ID, 1/4 inch OD	Cole Parmer	EW-0640776	
Tygon tubing 1/16 inch ID, 1/8 inch OD	Cole Parmer	EW-0740771	
0.1-µm Nylon filter	Fisher	R01SP04700	
Labquake shaker rotisserie	Thermo Scientific	4002110Q	