

Materials List for:

Synthesis and Characterization of Supramolecular Colloids

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Materials

Name	Company	Catalog Number	Comments
APTES	Sigma-Aldrich		
FTIC	Sigma-Aldrich		
TEOS	Sigma-Aldrich		
LUDOX AS-40	Sigma-Aldrich		Silica particles of 13 nm in radius
MilliQ	---	---	18.2 MΩ·cm at 25 °C
Ethanol	SolvaChrom		---
Ammonia (25% in water)	Sigma-Aldrich		---
Chloroform	SolvaChrom		---
Cyclohexane	Sigma-Aldrich		---
Dimethylformamide (DMF)	Sigma-Aldrich		---
Stearyl alcohol	Sigma-Aldrich		---
<i>N,N</i> -Diisopropylethylamine (DIPEA)	Sigma-Aldrich		---
Benztotriazol-1-yl-oxytripyrrolidinophosphonium hexafluorophosphate (PyBOP)	Sigma-Aldrich		---
Succinimidyl 3-(2-pyridyldithio)propionate (SPDP)	Sigma-Aldrich		---
Dithiothreitol (DTT)	Sigma-Aldrich		---
NVOC-C11-OH	Synthesized	---	I. de Feijter, 2014 Responsive materials from adaptive supramolecular constructs, Doctoral thesis, Technical University of Eindhoven, The Netherlands
BTA	Synthesized	---	I. de Feijter, 2014 Responsive materials from adaptive supramolecular constructs, Doctoral thesis, Technical University of Eindhoven, The Netherlands
Centrifuge	Thermo Scientific		Heraeus Megafuge 1.0
Ultrasound bath	VWR		Ultrasonic cleaner
Peristaltic pumps	Harvard Apparatus		PHD Ultra Syringe Pump
UV-oven	Luzchem		LZC-a V UV reactor equipped with 8x8 UVA light bulbs (λ_{\max} =354 nm)
Stirrer-heating plate	Heidolph		MR-Hei Standard

Name	Company	Catalog Number	Comments
Light Scattering	ALV		CGS-3 MD-4 compact goniometer system, equipped with a Multiple Tau digital real time correlator (ALV-7004) and a solid-state laser ($\lambda=532$ nm, 40 mW)
UV-Vis spectrophotometer	Thermo Scientific		NanoDrop 1000 Spectrophotometer
Confocal microscope	Nikon		Ti Eclipse with an argon laser with $\lambda_{\text{excitation}}=488$ nm
Slide spacers	Sigma-Aldrich		Grace BioLabs Secure seal imaging spacer (1 well, diam. \times thickness 13 mm \times 0.12 mm)
Syringes	BD Plastipak		20 ml syringe
Plastic tubing	SCI	BB31695-PE/5	Ethylene oxide gas sterilizable micro medical tubing
Pulsating vortex mixer	VWR		Electrical: 120 V, 50/60 Hz, 150 W Speed Range: 500–3,000 rpm