

Materials List for:

Confocal Imaging of Confined Quiescent and Flowing Colloid-polymer Mixtures

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Materials

Name	Company	Catalog Number	Comments
Cyclohexyl bromide	Sigma Aldrich	135194	CAS Number 108-85-0, Molecular wt. = 163.06, Used in stock solvent
Decahydronaphthalene	Sigma Aldrich	D251	CAS Number 91-17-8, Molecular wt. = 138.25, Used in stock solvent
Nile Red	Sigma Aldrich	72485	Fluorescent dye
Fluorescein 5(6)-isothiocyanate	Sigma Aldrich	F3651	Fluorescent dye
Rhodamine B	Sigma Aldrich	83689	Fluorescent dye
Dynamic Light Scattering	Brookhaven Instruments	BI-APD	DLS equipment used for particle size measurement
Polystyrene	Varian/Agilent	PL20138-23	Polystyrene (polymer) for inducing depletion attraction
Tetrabutyl(ammonium chloride) (TBAC)	Sigma Aldrich	86870	monovalent salt
UV Adhesive	Norland Adhesive	NOA 68T	Part Number 68T01 (UV cured adhesive)
VT Eye	Visitech	VT Eye	confocal scanner
VT Infinity	Visitech	VT Infinity	confocal scanner
Microscope	Leica	DMI3000B	Inverted Microscope
Centrifuge	Thermo Scientific	Sorvall ST 16	1-5,000 rpm
Teflon tubing	smallparts	SLTT 26-72	Zeus PTFE Sublite Wall Tubing 26 AWG 0.016" ID x 0.003" Wall
Epoxy	Devcon	DA051	5 min epoxy
Syringe	Micromate/Cadence	5004	glass syringe with metal luer lock tip
Syringe tips	Nordson	7018462	32 GA precision tips
Syringe pump	New Era Pump system Inc.	NE1002X	Programmable microfluidic pump (syringepump.com)
Weigh balance	Mettler Toledo	AB204-S	0.0001-220 g
PMMA particles	synthesized		poly(methylmethacrylate) colloidal particles