

Materials List for:

Controlled Synthesis and Fluorescence Tracking of Highly Uniform Poly(*N*-isopropylacrylamide) Microgels

Otto L. J. Virtanen¹, Ashvini Purohit¹, Monia Brugnoli¹, Dominik Wöll¹, Walter Richtering¹

¹Institute of Physical Chemistry, RWTH Aachen University

Correspondence to: Walter Richtering at richtering@rwth-aachen.de

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Materials

Name	Company	Catalog Number	Comments
Acetone	VWR Chemicals	KRAF13455	
Bisacrylamid	AppliChem	A3636	
n-Hexane	Merck	104374	
<i>N</i> -Isopropylacrylamide	Fisher Scientific	AC412785000	recrystallized from n-hexane
Methacryloxyethyl thiocarbamoyl rhodamine B	Polysciences	23591	
Potassium peroxodisulfate	Merck	105091	
Silicone oil 47 V 350	VWR Chemicals	83851	
Toluene	Sigma Aldrich	244511	
F12 Refrigerated/heating circulator	Julabo	9116612	
Microscope	Olympus	IX83	
XY(Z) Piezo System	Physik Instrumente	P-545.3R7	
100X Oil immersion objective	Olympus	UPLSAPO	
QuadLine Beamsplitter	AHF Analysentechnik	F68-556T	
Cobolt Jive 150 laser	Cobolt	0561-04-01-0150-300	
Multimode Fiber	Thorlabs	UM22-600	
iXON Ultra 897 EMCCD camera	Andor	DU-897U-CS0-BV	
Laser goniometer	SLS Systemtechnik	Mark III	
CF40 Cryo-compact circulator	Julabo	9400340	
Laser goniometer system	ALV GmbH	ALV / CGS-8F	
Multi-tau correlator	ALV GmbH	ALV-7004	
Light scattering electronics	ALV GmbH	ALV / LSE 5004	
Photon counting module	PerkinElmer	SPCM-CD2969	2 units in pseudo cross-correlation mode
633 nm HeNe Laser	JDS Uniphase	1145P	
F32 Refrigerated/heating circulator	Julabo	9312632	