

Materials List for:

DNA Nanotubes As a Versatile Tool to Study Semiflexible Polymers

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Materials

Name	Company	Catalog Number	Comments
AFM cantilever ACTA	AppNano		
AFM - NanoWizard 3	JPK Instruments		
CCD camera	Andor	iXon DV887	
DMSO	Sigma-Aldrich	D2650	
DNA oligonucleotides	Biomers.net		For sequences see Table 1
DNA Cy3-labeled oligonucleotides	Biomers.net		For sequence see Table 1
EDTA	Sigma-Aldrich	E-9884	
Epi-fluorescence micro-scope	Leica	DM-IRB	
MgCl ₂	Sigma-Aldrich	M-8266	
Mica "V1", 12 mm round	Plano GmbH	50-12	
MicroAmp® Fast Optical 96-Well Reaction Plate	Thermo Fisher Scientific Inc.	4346907	
MicroAmp® Optical Adhesive Film	Thermo Fisher Scientific Inc.	4306311	
NanoDrop 1000 Spectrophotometer	Thermo Fisher Scientific Inc.		
100x objective	Leica5	506168	
Purified water	Merk Millipore - Milli-Q & Elix		
Sapphire PCR tubes	Greiner Bio-One	683271	
TProfessional Standard PCR Thermocycler	Core Life Sciences Inc.	070- Standard	
7900HT Fast Real-Time PCR System	Applied Biosystems	4351405	
Rheometer	TA Instruments	ARES	
SYBR® Green I nucleic acid gel stain	Thermo Fisher Scientific Inc.	S7567	
Tris	Sigma-Aldrich	T4661	
Triton X-100	Sigma-Aldrich Co.	X-100	Suppresses evaporation of sample at air-water interface