

Materials List for:

Phase Diagram Characterization Using Magnetic Beads as Liquid Carriers

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Materials

Name	Company	Catalog Number	Comments
AccuBead	Bioneer Inc.	TS-1010-1	Magnetic beads
C12E5 Surfactant	Sigma-Aldrich	76437	
Thermo Scientific Nalgene 890	Fisher Scientific	14176178	
Cube Magnet	Apex Magnets	M1CU	
Polarizer Film	Edmund Optics	38-493	
Teflon AF	Dupont	400s1-100-1	Fluoropolymer solution
Keyacid Red Dye	Keystone	601-001-49	Fluorescent dye
Luer-Lock	Cole-Parmer	T-45502-12	Female
Luer-Lock	Cole-Parmer	T-45502-56	Male
Syringe	Fisher Scientific	14-823-435	3 ml
Syringe Pump	Stoelting	53130	
Stereo Microscope	Nikon	SMZ-2T	
Inverted Microscope	Nikon	Eclipse Ti-U	The filter cube used had an excitation wavelength range from 540-580 nm and a dichroic mirror at 585 nm, allowing for photoemission ranging from 593-668 nm.
Balance	Denver Instruments	PI-225D	
Microscope-Mounted Camera	Motic	5000	