

Materials List for:

Fluorescence Recovery after Merging a Droplet to Measure the Two-dimensional Diffusion of a Phospholipid Monolayer

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Materials

Name	Company	Catalog Number	Comments
Acetone	OCI corporation	Acetone 3.8L Extra Pure	Purity: ≥ 99.5%, Please consult material safety data sheets (MSDS) before use.
Ethanol	OCI corporation	Ethanol 3.8L Extra Pure	Purity: ≥ 94%, Please consult material safety data sheets (MSDS) before use.
Dioleoylphosphatidylcholine, DOPC	Avanti Polar Lipids	850375C	Please consult material safety data sheets (MSDS) before use. Chloroform is carcinogenic.
Chloroform	LiChrosolv	Chloroform ultrapure (A3633)	Purity: ≥ 99.8%, Please consult material safety data sheets (MSDS) before use. Carcinogenic
Rhodamine DPPE	Avanti Polar Lipids	810158C, 810158P	Avoid direct light exposure to prevent photobleaching
Wilhelmy plate tensiometer	R&K ultrathin organic film technology	Wilhelmy tensiometer	http://www.rieglerkirstein.de/index.htm
Micropipette puller	Sutter instrument	P-1000	
Micro-injector	Eppendorf	Femtojet	
Micromanipulator	Eppendorf	Micromanipulator 5171	
Microscope 1	Objective lens: Olympus	Objective lens: UPlanFI 10x	Objective lens: 10X NA 0.3
Microscope 2	Objective lens: Olympus, Tube lens: Thorlabs	Objective lens: UPlanFI 10x	Objective lens: 10X NA 0.3, tube lens: focal length 17 cm
CCD for Microscope 1	Jai	CV 950 camera	
CCD for Microscope 2	Andor	iXon3 EMCCD	
Filter set	Chroma technology	Catalog Set 49004: ET545, T565, ET605	Prepare suitable for dye molecules
Sonicator	DAIHAN Scientific	Wiseclean WUC-D06H	