

Materials List for:

Membrane Remodeling of Giant Vesicles in Response to Localized Calcium Ion Gradients

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Materials

Name	Company	Catalog Number	Comments
Soy bean polar lipid extract	Avanti Polar Lipids, Inc. (Alabaster, USA)	541602C	100 mg
1,2-dioleoyl-sn-glycero-3-phospho-L-serine (sodium salt) DOPS	Avanti Polar Lipids, Inc. (Alabaster, USA)	840035C	1x25 mg
ATTO 488- 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine (DOPE)	ATTO-TEC (Germany)	AD 488-31	1 mg
Hamilton syringe, 700 series, fixed needle, 702N, volume 25 µL, needle size 22s ga (bevel tip), needle L 51 mm (2 in.)	Sigma Aldrich (Missouri, USA)	20735 SIGMA-ALDRICH	
Pyrex Tube, culture, disposable, rimless, 10x75 mm, Borosilicate glass 250/pack	Corning Incorporated (Corning, NY 14831)	99445-10	
Chloroform CHROMASOLV Plus, for HPLC, ≥99.9%, contains amylenes as stabilizer	Sigma Aldrich (Missouri, USA)	650498-1L-D	
Rotary evaporator	Büchi Rotavapor R-144 Switzerland		
Kalciumklorid purum torkad minimum 95% medelkornig 5-10 mm	KEBO lab (Sweden)	MA00360500	
Magnesium chloride hexahydrate reagent grade ACS, ISO	Sharlau Chemie S.A. (Spain)	P9333-500G	
Potassium chloride, SigmaUltra, minimum 99.0%	Sigma Aldrich (Missouri, USA)	S7653-1KG	
Sodium chloride, SigmaUltra, minimum 99.5%	Sigma Aldrich (Missouri, USA)	G5516-1L	
Glycerol, for molecular biology, minimum 99%	Sigma Aldrich (Missouri, USA)	T-1503 2050 g	
Trizma base	Sigma Aldrich (Missouri, USA)	P5629-500G	
Potassium phosphate tribasic (K ₃ PO ₄)	Sigma Aldrich (Missouri, USA)	P5655	
Potassium phosphate monobasic (KH ₂ PO ₄)	Sigma Aldrich (Missouri, USA)	5886	
MgSO ₄	Merck (USA)	34549-100 g	
EDTA	Sigma Aldrich (Missouri, USA)	H0887 Sigma	
HEPES solution 1 M, pH 7.0-7.6, sterile-filtered, BioReagent, suitable for cell culture	Sigma Aldrich (Missouri, USA)	Z260282-1PAK	24x60 mm

Acrodisc syringe filters, PVDF membrane, diam. 13 mm, pore size 0.2 µm	Sigma Aldrich (Missouri, USA)	631-1339	
Menzel Gläser #1, glass cover slip	VWR (USA)		
Diaphragm vacuum pump for the desiccator	Vacuubrand (Germany)		
Ultrasonicate bath	Bandelin Sonolex (Germany)		
VX-100 Lab vortexer vortex mixer	Labnet International (USA)		
488 nm laser line	Cobolt MLD-488 nm (Solna, Sweden)		
Leica Microsystems immersion oil for microscopes	Leica (Germany)	12847995	
Inverted fluorescence microscopy system	Leica DM IRB (Wetzlar, Germany)		
Camera (Prosilica Ex 1920, Allied Vision)	Technologies GmbH (Thuringia, Germany)	300038	
PatchStar Micromanipulator	Scientifica (Uckfield, UK)	612-7933	
Borosilicate glass capillaries, GC100TF-10, 1.00mm O.D. X 0.78mm I.D.	Harvard Apparatus U.K		
Eppendorf microloader (pipette tips)	VWR (USA)		
P-2000 CO2 laser-puller	Sutter Instruments (Novato, USA)		
Femtoliter automatic injection pump, Eppendorf Femtojet	Eppendorf (Germany)		