

Materials List for:

Phase Behavior of Charged Vesicles Under Symmetric and Asymmetric Solution Conditions Monitored with Fluorescence Microscopy

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Materials

Name	Company	Catalog Number	Comments
1,2-dioleoyl- <i>sn</i> -glycero-3-phospho-(1'- <i>rac</i> -glycerol), sodium salt	Avanti Polar Lipids	840475C	abbreviated as DOPG in the text
chicken egg sphingomyelin	Avanti Polar Lipids	860061	abbreviated as eSM
cholesterol (ovine wool, > 98 %)	Avanti Polar Lipids	700000	abbreviated as Chol
1,1'-dioctadecyl-3,3,3',3'-tetramethylindocarbocyanine perchlorate	Molecular Probes	D-282	abbreviated as DiIC ₁₈
Chloroform, HPLC grade (≥ 99.8 %)	Merck		
NaCl (> 99.8 %)	Roth		
HCl (37 %)	Roth		
Tris (≥ 99.9 %)	Roth		
Sucrose (≥ 99.5 %)	Sigma Aldrich		
Parafilm			
Threaded vial 45x27 mm, 15 mL	Kimble		Soda flat bottom, white screw cap
pH meter	Mettler Toledo	MP220	
Osmometer	Gonotec	Osmomat030	
Epi-fluorescence microscope	Zeiss	Axio Observer D1	
Confocal laser scanning microscope	Leica	TCS SP5	
Objective 40x, 0.6 NA	Zeiss	LD Achroplan	
Objective 40x, 0.75 NA	Leica	506174	
Objective 63x, 0.9 NA	Leica	506148	
Microscope slide, 56x26 mm, 0.17 ± 0.01 mm	Menzel-Gläser		
Cover slip, 22x22 mm, 0.17 ± 0.01 mm	Menzel-Gläser		
Parafilm "M"	Bremix Flexible Packaging		
Syringes, 5 mL, 10 mL	Braun		
0.45 µm syringe filter	GVS North America	Cameo 25AS, 1213723	Acetate, sterile