

Materials List for:

Introduction to Solid Supported Membrane Based Electrophysiology

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Materials

Name	Company	Catalog Number	Comments
Materials			
Waterbath Sonicator	Bandelin	RK 52 H	
Tip Sonicator	Hielscher Ultrasonics GmbH	UP50H	
2-way valve	NResearch, West Caldwell, USA	NR225T011	
Terminal valve	NResearch, West Caldwell, USA	NR225T031	
Manometer	Greisinger electronics	GDH 14 AN	
Faraday cage	Max Planck Institute of Biophysics		
Cuvette	Max Planck Institute of Biophysics		
100 ml solution containers	Kartell	1623	
O-rings	Seal Science Inc.		
Oscilloscope	Tektronix	TDS 1002	
Reference electrode	Max Planck Institute of Biophysics		
Function generator	Max Planck Institute of Biophysics		
Tubings	SAINT-GOBAIN Performance Plastics	AAC00006	
Sensor chip	Fraunhofer Institut für Schicht und Oberflächentechnik		
Interface box	Max Planck Institute of Biophysics		
Amplifier	Keithley	427	
Manual cog	Vygon GmbH	876	
USB analog-to-digital converter	National Instruments	6009	
Reagents			
1,2-Diphytanoyl-sn-glycero-3-Phosphatidylcholine	Avanti Polar Lipids, Inc.	850356	
Acrylamide/Bis-acrylamide	Sigma Aldrich	A3574	
Ammonium persulfate	Sigma Aldrich	A3678	
D-(+)-Glucose	Sigma Aldrich	G8270	
Dithiothreitol	Sigma Aldrich	43819	
Ethanol absolut	VWR AnalaR NORMAPUR	603-002-00-5	
Natural E. coli lipids polar extract	Avanti Polar Lipids, Inc.	100600	for LacY reconstitution
n-Decane	Sigma Aldrich	D901	
Octadecanethiol	Sigma Aldrich	O1858	
Octadecylamine	Sigma Aldrich	74750	
Potassium chloride	Merck	1049360500	
Potassium phosphate dibasic	Sigma Aldrich	P3786	

Potassium phosphate monobasic	Sigma Aldrich	P9791	
Tetramethylethylenediamine	BIO RAD	1610801	
α -Lactose monohydrate	Sigma Aldrich	L8783	