

Materials List for:

Detergent-free Ultrafast Reconstitution of Membrane Proteins into Lipid Bilayers Using Fusogenic Complementary-charged Proteoliposomes.

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Materials

Name	Company	Catalog Number	Comments
DOPC neutral lipid	Avanti Lipids	850375	
POPA anionic lipid	Avanti Lipids	840857	
E-PC cationic lipid	Avanti Lipids	890704	
Cholesteryl-Bodipy-FL12	ThermoFisher	C3927MP	
Sephadex G-50, Super Fine	Sigma	G5050	
Ficoll 400, Type 400-DL	Sigma	F8016	
ACMA	Sigma	A5806	
Nigericin	Sigma	N7143	
ATP	Sigma	A26209	
Q1	Sigma	C7956	
DTT	Sigma	D0632	
PEP	Sigma	860077	
NADH	Sigma	N8129	
PK	Sigma	P9136-1KU	
LDH	Sigma	L1254-1KU	
Luciferin	Sigma	L6882	
Luciferase	Sigma/Roche	10411523001	
Calcein	Insight Biotechnology	sc-202090	
CoCl ₂	Sigma	C8661	
EDTA	Sigma	E6758	
Sulforhodamine 101	Sigma	S7635	
Extrusion system	Avanti Extruder		
Single tube luminometer, model Sirius L	Titertek Berthold		
Polycarbonate filter, D19 mm	Sigma, Whatman NucleporeTrack-Etched Membranes	WHA800309, WHA800284	100 or 200 nm to form SUV, and 400 or 800 nm for LUV
Name	Company	Catalog Number	Comments
Buffers used in the paper			
Buffer A			100 mM KCl, 50 mM MOPS pH 7.4, 1 mM MgCl ₂
Buffer B			20 mM KCl, 10 mM MOPS pH 7.4, 0.1 mM MgCl ₂
Buffer C			100 mM KCl, 10 mM MOPS pH 7.4
Buffer D			1 mM MOPS pH 7.4

		Various concentrations of KCl
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