

Analyzing the Interaction of Fluorescent-Labeled Proteins with Artificial Phospholipid Microvesicles using Quantitative Flow Cytometry

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Materials

Name	Company	Catalog Number	Comments
A23187	Sigma Aldrich	C7522-10MG	
Alexa Fluor 647 NHS Ester (Succinimidyl Ester)	Thermo Fisher Scientific	A37573	fluorescent dye
Apyrase from potatoes	Sigma Aldrich	A2230	
BD FACSCantoll	BD Bioscience		
bovine serum albumin	VWR Life Science AMRESCO	Am-O332-0.1	
Calcium chloride, anhydrous, powder, ≥97%	Sigma Aldrich	C4901-100G	
Cary Eclipse Fluorescence Spectrometer	Agilent		
D-(+)-Glucose	Sigma Aldrich	G7528-1KG	
DiIC16(3) (1,1'-Dihexadecyl-3,3',3'-Tetramethylindocarbocyanine Perchlorate)	Thermo Fisher Scientific	D384	
DMSO	Sigma Aldrich	D8418	
EDTA disodium salt	VWR Life Science AMRESCO	Am-O105B-0.1	
FACSDiva	BD Bioscience		cytometry data acquisition software
FlowJo	Tree Star		cytometer software for data analysis
HEPES	Sigma Aldrich	H4034-500G	
Human Factor X	Enzyme research	HFX 1010	
Hydroxylamine hydrochloride	Panreac	141914.1209	
L-α-phosphatidylcholine (Brain, Porcine)	Avanti Polar Lipids	840053P	
L-α-phosphatidylserine (Brain, Porcine) (sodium salt)	Avanti Polar Lipids	840032P	
Magnesium chloride	Sigma Aldrich	M8266-100G	
Mini-Extruder	Avanti Polar Lipids	610020-1EA	

OriginPro 8 SR4 v8.0951	OriginLab Corporation		Statistical software
Phosphate Buffered Saline (PBS) Tablets, Biotechnology Grade	VWR Life Science AMRESCO	97062-732	
Potassium chloride	Sigma Aldrich	P9541-500G	
Prostaglandin E1	Cayman Chemical	13010	
Sephadex G25	GE Healthcare	GE17-0033-01	gel filtration medium for protein purification
Sepharose CL-2B	Sigma Aldrich	CL2B300-500ML	gel filtration medium for platelet purification
Sodium bicarbonate	Corning	61-065-RO	
Sodium chloride	Sigma Aldrich	S3014-500G	
Sodium phosphate monobasic	Sigma Aldrich	S3139-250G	
Spin columns with membrane 0.2 μm	Sartorius	VS0171	
Trisodium citrate dihydrate	Sigma Aldrich	S1804-1KG	