

Materials List for:

Analysis of Thylakoid Membrane Protein Complexes by Blue Native Gel Electrophoresis

Marjaana Rantala¹, Virpi Paakkari¹, Eva-Mari Aro¹

¹Molecular Plant Biology, Department of Biochemistry, University of Turku

Correspondence to: Eva-Mari Aro at evaaro@utu.fi

URL: <https://www.jove.com/video/58369>

DOI: [doi:10.3791/58369](https://doi.org/10.3791/58369)

Materials

Name	Company	Catalog Number	Comments
6-aminocaproic acid (ACA)	Sigma-Aldrich	A2504	
BisTris	Sigma-Aldrich	B4429	
Sucrose	Sigma-Aldrich	S0389	
Acrylamide (AA)	Sigma-Aldrich	A9099	Caution: Neurotoxic!
<i>n</i> -dodecyl- β -D-maltoside	Sigma-Aldrich	D4641	
Tricine	Sigma-Aldrich	T0377	
Tris	Sigma-Aldrich	T1503	
SDS	VWR	442444H	
Urea	VWR	28877.292	
Glycerol	J.T. Baker	7044	
Sodium Fluoride (NaF)	J.T. Baker	3688	
EDTA disodium salt	J.T. Baker	1073	
Digtonin	Calbiochem	300410	Caution: Toxic!
Pefabloc SC	Roche	11585916001	
Serva Coomassie Blue G	Serva	35050	
β -mercaptoethanol	Bio-Rad	1610710	
APS (Ammonium persulfate)	Bio-Rad	161-0700	
TEMED (Tetramethylethylenediamine)	Bio-Rad	1610801	
(N,N'-Methylene)-Bis-Acrylamide	Omnipur	2610	
Glycine	Fisher	G0800	
Prestained Protein Marker, Broad Range (7-175 kDa)	New England Biolabs	P7708	
Falcon, Conical Centrifuge Tubes 15 ml	Corning	352093	
Dual gel caster with 10 x 8 cm plates	Hofer	SE215	
Gradient maker SG5	Hofer		
0.75 mm T-spacers	Hofer	SE2119T-2-.75	
Sample gel comb, 0.75 mm	Hofer	SE211A-10-.75	
Mighty Small SE250 vertical electrophoresis system	Hofer	SE250	
IPC-pump	Ismatec		
Power supply, PowerPac HV	Bio-Rad	164-5097	
Centrifuge	Eppendorf	5424R	
Rocker-Shaker	Biosan	BS-010130-AAI	

PROTEAN II xi Cell	Bio-Rad	1651813	
--------------------	---------	---------	--