

Materials List for:

# CN-GELFrEE - Clear Native Gel-eluted Liquid Fraction Entrapment Electrophoresis

Rafael D. Melani<sup>1,2</sup>, Henrique S. Seckler<sup>1</sup>, Owen S. Skinner<sup>1</sup>, Luis H. F. Do Vale<sup>1,3</sup>, Adam D. Catherman<sup>1</sup>, Pierre C. Havugimana<sup>1</sup>, Marcelo Valle de Sousa<sup>3</sup>, Gilberto B. Domont<sup>2</sup>, Neil L. Kelleher<sup>1</sup>, Philip D. Compton<sup>1</sup>

<sup>1</sup>Departments of Chemistry and Molecular Biosciences, Chemistry of Life Processes Institute, Proteomics Center of Excellence, Robert H. Lurie Comprehensive Cancer Center, Northwestern University

<sup>2</sup>Institute of Chemistry, Proteomics Unit, Federal University of Rio de Janeiro

<sup>3</sup>Department of Cell Biology, Brazilian Center for Protein Research, Laboratory of Biochemistry and Protein Chemistry, University of Brasilia

\* These authors contributed equally

Correspondence to: Philip D. Compton at [philip-compton@northwestern.edu](mailto:philip-compton@northwestern.edu)

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## Materials

Name	Company	Catalog Number	Comments
<b>Reagents</b>			
30% acrylamide/bis solution, 37.5:1	Bio-Rad	161-0158	This solution is neurotoxic.
6-aminohexanoic acid (ε-aminocaproic acid)	Sigma-Aldrich	A2504	This chemical is an irritant.
Ammonium persulfate (APS)	Fisher Scientific	7727-54-0	This chemical is flammable, toxic, and corrosive.
Coomassie blue G250	Bio-Rad	161-0406	
Dodecylmaltoside	Sigma-Aldrich	D4641	This chemical is an irritant.
Ethylene glycol tetraacetic acid (EGTA)	FLUKA	3777	This chemical is toxic.
Ethylenediamine tetraacetic acid (EDTA)	Fisher Scientific	BP120	This chemical is toxic.
Glycerol	Fisher Scientific	56-81-5	
Imidazole	Sigma-Aldrich	I2399	
Liquid nitrogen	Any supplier	n/a	Store liquid nitrogen in containers designed for low-temperature liquids
Mouse heart	Bioreclamation LLC	MSE-HEART	
n-butanol	Fisher Scientific	71-36-3	This chemical is flammable and toxic.
Ponceau S	Sigma-Aldrich	BP103	
Protease Inhibitor Cocktail	Thermo Fisher Scientific	78430	This chemical is toxic.
Sodium deoxycholate	Sigma-Aldrich	30970	This chemical is an irritant.
Sucrose	JTBaker	4097	
Tetramethylethylenediamine (TEMED)	Bio-Rad	161-0800	This chemical flammable and irritant.
Tris-HCl	Amresco	M151	
Trycine	Bio-Rad	161-071	
<b>Equipment</b>			
Gradient mixer	Hofer	SG15	
Magnetic stir	Any supplier	n/a	

Magnetic bars	Any supplier	n/a	Small enough to fit inside the gradient mixer chambers.
Power supply	Bio-Rad	164-5056	Voltage up to 1,500 V
Refrigerated centrifuge	Eppendorf	022622552	Up to 15,000 x g
<b>Materials</b>			
15 ml conical tube	Any supplier	n/a	
30 kDa-MWCO ultra centrifugal filter	Millipore	UFC503096	
Flexible tubing	Saint-Gobain	B000FOV1J0	Approximately 1 m length
Ice bucket	Any supplier	n/a	
Liquid/air metallic or plastic valve. (e.g. aquarium air/water flow control lever valve)	Any supplier	n/a	Aquarium valves are compatible.
Mortar and pestle	Any supplier	n/a	
Native PAGE 3-12% T slab gel	Invitrogen	BN1003	
Parafilm	Bemis	PM-996	
Petri dish	Fisher Scientific	08-757-13	
Protein low bind tube 1.5 ml	Eppendorf	022431081	
Razor blade	IDL Tools	TE05-091C	
Regenerated cellulose dialysis tubing 3,500 MWCO	Fisher Scientific	21-152-9	
SDS-PAGE slab gel for any kDa	Bio-Rad	456-9036	
Serological pipets (25 ml)	VWR	89130-900	
Syringe (10 ml)	Any supplier	n/a	