

Materials List for:

A New Approach for the Comparative Analysis of Multiprotein Complexes Based on ¹⁵N Metabolic Labeling and Quantitative Mass Spectrometry

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URL: <https://www.jove.com/video/51103>

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Materials

Name	Company	Catalog Number	Comments
Chemicals			
Acetic acid	AppliChem	A0662	http://www.applichem.com/home/
Acetone	AppliChem	A2300	http://www.applichem.com/home/
Acetonitrile Optigrade für LC-MS	Diagonal	9340	Harmful, work with gloves. See protocol text for further precautions. https://www.diagonal.de/
Ammonium chloride ¹⁵ N	Cambridge Isotope Laboratories	39466-62-1	http://www.isotope.com/cil/index.cfm
Ammonium chloride ¹⁴ N	AppliChem	A0988	http://www.applichem.com/home/
Ammonium hydrogen phosphate	AppliChem	A3583	http://www.applichem.com/home/
Ammonium sulfate	AppliChem	A3598	http://www.applichem.com/home/
Coomassie brilliant blue R-250	Fisher Scientific	10041653	http://www.de.fishersci.com/index.php/deindex
n-Dodecyl-β-D-maltoside	AppliChem	A0819	http://www.applichem.com/home/
EDTA	AppliChem	A2937	http://www.applichem.com/home/
Formic acid	AppliChem	A3858	http://www.applichem.com/home/
HEPES	AppliChem	A3724	http://www.applichem.com/home/
Magnesium chloride	AppliChem	A4425	http://www.applichem.com/home/
Methanol	AppliChem	A2954	http://www.applichem.com/home/
Phosphorous acid	AppliChem	A0989	http://www.applichem.com/home/
Dipotassium hydrogen phosphate	AppliChem	A1042	http://www.applichem.com/home/
Potassium dihydrogen phosphate	AppliChem	A1043	http://www.applichem.com/home/
Sodium hydroxide	AppliChem	A1551	http://www.applichem.com/home/
Sucrose	AppliChem	A1125	http://www.applichem.com/home/
Tricine	AppliChem	A3954	http://www.applichem.com/home/
Tris	AppliChem	A2264	http://www.applichem.com/home/
Trypsin (sequencing grade modified) and Trypsin buffer	Promega	V5111	http://www.promega.de/
Equipment			
Nebulizer (BioNeb cell disruptor)	Glas-Col		http://www.glascol.com/product/subproduct/id/75
Centrifuge tubes (14 mm x 89 mm)	Beckman Coulter	331372	for preparation of Takahashi style gradients http://www.beckmancoulter.de/

Centrifuge tubes 25 mm x 89 mm	Beckman Coulter	344058	for preparation of thylakoid isolation gradients. http://www.beckmancoulter.de/
Coulter Avanti Centrifuge J-20 XP	Beckman Coulter		http://www.beckmancoulter.de/
Fuchs-Rosenthal cell counting chamber	Diagonal	449/72	https://www.diagonal.de/
Homogenizer (Potter) 50 ml	Fisherbrand	10618242	http://www.de.fishersci.com/index.php/defisherbrand
Pistil for homogenizer	Fisherbrand	105252220	http://www.de.fishersci.com/index.php/defisherbrand
Ultracentrifuge (Optima XPN-80 Ultracentrifuge)	Beckman Coulter		website: http://www.beckmancoulter.de/
Other			
Antibodies	Agrisera		http://www.agrisera.com/en/index.html