

Materials List for:

Phloem Sap Sampling from *Brassica Napus* for 3D-PAGE of Protein and Ribonucleoprotein Complexes

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Materials

Name	Company	Catalog Number	Comments
1.5 mL reaction tubes	Eppendorf	30120086	
10 well comb for SDS PAGE, thickness 1 mm	BioRad	1653359	
2-Propanol	AppliChem	131090	
30 % Acrylamide-bisacrylamide solution (29:1) solution	BioRad	1610156	
30 % Acrylamide-bisacrylamide solution (37.5:1) solution	BioRad	1610158	
96 % Ethanol	Carl Roth	P075	
Acetic acid	Carl Roth	6755	
Agarose	Lonza	50004	
Aluminum sulfate-(14-18)-hydrate	AppliChem	141101	
Ammonium peroxodisulfate (APS)	Carl Roth	9592.3	
Bis-Tris	AppliChem	A3992	
Boric acid	AppliChem	A2940	
Bromophenol blue	AppliChem	A2331	
Centrifugal concentrators e.g. Vivaspin 500 (Mwco 10 kDa)	Sartorius	VS0102	
Chemiluminescent Nucleic Acid Detection Module Kit	Thermo Fisher Scientific	89880	
Chromatography papers e.g. 3 mm CHR	Whatman	3030-153	
CoolBox M30 System	Biocision	BCS-133	
Coomassie brilliant Blue G-250	AppliChem	A3480	
Diethyl pyrocarbonate (DEPC)	AppliChem	A0881	
Dithiothreitol (DTT)	AppliChem	A1101	
DNase I	AppliChem	A3778	
Ethanol abs.	AppliChem	A3693	
Ethylenediaminetetraacetic acid (EDTA)	AppliChem	A1103	
Gel Imaging system e.g. Chemidoc Touch	BioRad	1708370	
GeneRuler 1kb plus	Thermo Fisher Scientific	SM1331	
Glycerol	AppliChem	141339	
Glycine	AppliChem	131340	
Heating block TS1	Biometra	846-051-500	

Hybridization oven e.g. GFL Hybridization Incubator 7601	GFL	7601	
Hypodermic needle (0.8 mm)	B Braun	4658309	
IPG gel comb, thickness 1 mm	BioRad	1653367	
Labeling of RNA e.g. Biotin 3'end DNA Labeling Kit	Thermo Fisher Scientific	89818	
Native gradient gel e.g. Novex NativePAGE 4–16% Bis-Tris protein gel	Invitrogen	BN1002BOX	
Nylon membrane e.g. Hybond-N+	Amersham Pharmacia	RPN203B	
Ortho-phosphoric acid	Carl Roth	6366.1	
PageRuler prestained protein ladder	Thermo Fisher Scientific	26616	
Power supply for Gel electrophoresis EPS	Amersham Pharmacia	18-1130-01	available from GE Healthcare
RNA Cleanup Kit	Qiagen	74204	
Semi dry blot e.g. Fastblot 43B semi dry Blot	Biometra	846-015-100	
Sodium chloride (NaCl)	AppliChem	A1149	
Sodium dodecyl sulfate (SDS)	AppliChem	142363	
Synthesis of cDNA e.g. RevertAid First Strand cDNA Synthesis Kit	Thermo Fisher Scientific	K1621	
Tetramethylethylenediamine (TEMED)	AppliChem	A1148	
Tricine	AppliChem	A3954	
Tris	AppliChem	A1086	
Tri-sodium citrate dihydrate	AppliChem	A3901	
TRIzol Reagent	Thermo Fisher Scientific	15596026	
ULTRAhyb Ultrasensitive Hybridization Buffer	Thermo Fisher Scientific	AM8670	
Urea	AppliChem	A1360	
UV Crosslinker e.g. Stratilinker 2400	Agilent	NC0477671	from Fisher Scientific
Vertical electrophoresis apparatus e.g. The XCell SureLock Mini-Cell or Mini-Protean III System	Thermo Fisher Scientific or BioRad	EI0001 or 1658004	
Wipers e.g. KIMWIPES Delicate Task Wipers	Kimberly-Clark	34120	