

Polysome Purification from Soybean Symbiotic Nodules

María Martha Sainz¹, Carla Valeria Filippi¹, Guillermo Eastman^{2,3}, Mariana Sotelo-Silveira¹, C. Mauro Martinez¹, Omar Borsani¹, José Sotelo-Silveira^{2,4}

¹Laboratorio de Bioquímica, Departamento de Biología Vegetal, Facultad de Agronomía, Universidad de la República ²Departamento de Genómica, Instituto de Investigaciones Biológicas Clemente Estable ³Department of Biology, University of Virginia ⁴Departamento de Biología Celular y Molecular, Facultad de Ciencias, Universidad de la República

Corresponding Author

María Martha Sainz
msainz@fagro.edu.uy

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Materials

Name	Company	Catalog Number	Comments
Plant growth and rhizobia inoculation			
Orbital shaker	Daihan Scientific		Model SHO-1D
YEM-medium	Amresco	J850 (yeast extract) 0122 (mannitol)	
Water deficit treatment			
KNO ₃	Merck	221295	
Porometer	Decagon Device		Model SC-1
Scalpel			
Preparation of cytosolic extracts			
Brij L23	Sigma-Aldrich	P1254	
Centrifuge	Sigma		Model 2K15
Chloranphenicol	Sigma-Aldrich	C0378	
Cycloheximide	Sigma-Aldrich	C7698	
DOC	Sigma-Aldrich	30970	
DTT	Sigma-Aldrich	D9779	
EGTA	Sigma-Aldrich	E3889	
Igepal CA 360	Sigma-Aldrich	I8896	
KCl	Merck	1.04936	
MgCl ₂	Sigma-Aldrich	M8266	
Plastic tissue grinder	Fisher Scientific	12649595	
PMSF	Sigma-Aldrich	P7626	
PTE	Sigma-Aldrich	P2393	
Tris	Invitrogen	15504-020	
Triton X-100	Sigma-Aldrich	T8787	
Tween 20	Sigma-Aldrich	P1379	
Weighing dish	Deltalab	1911103	
Preparation of sucrose cushions			

Sucrose	Invitrogen	15503022	
SW 40 Ti rotor	Beckman-Coulter		
Ultracentrifuge	Beckman-Coulter		Optima L-100K
Ultracentrifuge tubes	Beckman-Coulter	344059	13.2 mL tubes
RNA extraction and quality control			
Agarose	Thermo scientific	R0492	
Bioanalyzer	Agilent		Model 2100. Eukaryote total RNA nano assay
Chloroform	DI	41191	
Ethanol	Dorwil	UN1170	
Isopropanol	Mallinckrodt	3032-06	
Glycogen	Sigma	10814-010	
TRizol LS	Ambion	102960028	
Miscellaneous			
Falcon tubes 15 mL	Biologix	10-0152	
Filter tips 10 µL	BioPointe Scientific	321-4050	
Filter tips 1000 µL	BioPointe Scientific	361-1050	
Filter tips 20 µL	BioPointe Scientific	341-4050	
Filter tips 200 µL	Tarsons	528104	
Microcentrifuge tubes 1.5 mL	Tarsons	500010-N	
Microcentrifuge tubes 2.0 mL	Tarsons	500020-N	
Sequencing company	Macrogen		
Sterile 250 mL flask	Mariefeld	4110207	