

Materials List for:

A Cell-Free Assay Using *Xenopus laevis* Embryo Extracts to Study Mechanisms of Nuclear Size Regulation

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Materials

Name	Company	Catalog Number	Comments
Alexa Fluor 568 Donkey anti-mouse IgG	Molecular Probes	A10037	
ATP disodium salt	Sigma Aldrich	A2383	
Benzocaine	Sigma Aldrich	E1501	
Bovine Serum Albumin	Sigma Aldrich	A3059	
CaCl ₂	Sigma Aldrich	C3306	
Centrifuge	Beckman	J2-21M	
Centrifuge rotor	Beckman	JS 13.1	
chymostatin	Sigma Aldrich	C7268	
creatine phosphate disodium	Calbiochem	2380	
cycloheximide	Sigma Aldrich	C6255	
cytochalasin D	Sigma Aldrich	C8273	
disposable wipes (kimwipes)	Sigma Aldrich	Z188956	
L-cysteine	Sigma Aldrich	W326306	
EGTA	Sigma Aldrich	E4378	
Formaldehyde	Sigma Aldrich	F8775	
Glass crystallizing dish (150 x 75 mm)	VWR	89090-662	
Glycerol	Macron	5094-16	
HEPES	Sigma Aldrich	H4034	
Hoechst - bisBenzimide H 33342 trihydrochloride	Sigma Aldrich	B2261	
HCG - Human Chorionic Gonadotropin	Prospec	hor-250-c	
L15 Media	Sigma Aldrich	L4386	
leupeptin	Sigma Aldrich	L2884	
Lysolecithin	Sigma Aldrich	L1381	
mAb414	Abcam	ab24609	
MgCl ₂	EMD	MX0045-2	
MgSO ₄	Sigma Aldrich	M9397	
Maltose	Sigma Aldrich	M5885	
NP40	BDH	56009	
Paraformaldehyde	Electron Microscopy Sciences	15710	
Penicillin + Streptomycin	Sigma Aldrich	Pp0781	
pepstatin	Sigma Aldrich	P5318	

PIPES	Sigma Aldrich	P6757	
Plastic paraffin film (parafilm)	Sigma Aldrich	P7793	
KCl	Sigma Aldrich	P9541	
KH ₂ PO ₄	Mallinckrodt	70100	
KOH	Baker	5 3140	
PMSG - Pregnant Mare Serum Gonadotropin	Prospec	hor-272-a	
NaCl	Sigma Aldrich	S3014	
NaHCO ₃	Fisher	BP328	
Na ₂ HPO ₄	EMD	SX0720-1	
NaOH	EMD	SX0590	
Pestle	Thomas Scientific	3411D56	
Round bottom glass tubes, 15 ml	Corex	8441	
Secondary antibody (Alexa Fluor 568 donkey anti-mouse IgG)	ThermoFisher	A10037	
sucrose	Calbiochem	8550	
thermal cycler	Bio-Rad	T100	
Ultracentrifuge	Beckman	L8-80M	
Ultracentrifuge rotor	Beckman	SW 50.1	
Vectashield (anti-fade mounting medium)	Vector	H-1000	