

Materials List for:

Production of *Xenopus tropicalis* Egg Extracts to Identify Microtubule-associated RNAs

Judith A. Sharp^{1,2}, Mike D. Blower^{1,2}

¹Department of Molecular Biology, Massachusetts General Hospital

²Department of Genetics, Harvard Medical School

Correspondence to: Mike D. Blower at blower@molbio.mgh.harvard.edu

URL: <https://www.jove.com/video/50434>

DOI: [doi:10.3791/50434](https://doi.org/10.3791/50434)

Materials

Name	Company	Catalog Number	Comments
REAGENTS			
<i>Xenopus tropicalis</i>	NASCO	LM00823MX	
human Chorionic Gonadotropin	Sigma-Aldrich	CG10	
HEPES	Sigma-Aldrich	H4034	
EDTA	Sigma-Aldrich	E5134	
NaCl	Sigma-Aldrich	S3014	
KCl	Sigma-Aldrich	P9541	
MgCl ₂	Sigma-Aldrich	M8266	
CaCl ₂	Sigma-Aldrich	C8106	
sucrose	Sigma-Aldrich	S0389	
NaOH	Sigma-Aldrich	S5881	
EGTA	Sigma-Aldrich	E3889	
Leupeptin	Sigma-Aldrich	L9783	
Pepstatin	Sigma-Aldrich	P5318	
Chymostatin	Sigma-Aldrich	C7268	
Cytochalasin D	Sigma-Aldrich	C8273	
Gelatin, porcine skin	Sigma-Aldrich	G1890	
PIPES	Sigma-Aldrich	P6757	
Taxol	Sigma-Aldrich	T7191	
Nocodazole	Sigma-Aldrich	M1404	
Trizol	Invitrogen	15596-026	
L-Cysteine, free base	USB Corporation	14030	
Cichlid Lake Salt	Seachem	47894	
Marine salt	Seachem	SC7111	
NaHCO ₃	Sigma-Aldrich	S6014	
EQUIPMENT			
1 ml syringes	BD Biosciences	309659	
18 gauge needles	BD Biosciences	305195	
30 gauge needles	BD Biosciences	305106	
Rubbermaid Plastic bucket	Amazon	6306	
Beckman Polyallomer 2 x ½ inch Ultracentrifuge tubes	Beckman	326819	
15 ml round-bottomed glass centrifuge tubes	Fisher Scientific	45500-15	

Rubber adapter sleeves for 15 ml tubes	Kimble-Chase	45550-15	
5 ¼ inch glass Pasteur pipettes	Fisher Scientific	13-678-20A	
14 ml polypropylene round-bottom tube	BD Biosciences	352059	
Sorvall HB-6 rotor	Thermo Scientific	11860	
Sorvall RC-6 centrifuge	Thermo Scientific	46910	