

Materials List for:

***In Vitro* Polymerization of F-actin on Early Endosomes**

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URL: <https://www.jove.com/video/55829>

DOI: [doi:10.3791/55829](https://doi.org/10.3791/55829)

Materials

Name	Company	Catalog Number	Comments
NaCl	Sigma-Aldrich	71380	
KCl	Acros Organics	196770010	
KH ₂ PO ₄	AppliChem	A1042	
Na ₂ HPO ₄	Acros Organics	424370025	
Hepes	AppliChem	A3724	
Magnesium acetate tetrahydrate	Fluka	63047	
Dithiothreitol (DTT)	AppliChem	A2948	
Imidazole	Sigma-Aldrich	10125	
NaOH	Fluka	71690	
Sucrose	Merck Millipore	107687	
Leupeptin	Roche	11017101001	
Pepstatin	Roche	10253286001	
Aprotinin	Roche	10236624001	
Paraformaldehyde	Polysciences. Inc	380	
Alexa Fluor 555 phalloidin	Molecular Probes	A34055	
Actin rhodamine	Cytoskeleton. Inc	APHR-A	
Mowiol 4-88	Sigma-Aldrich	81381	poly(vinyl alcohol), Mw ~31 000
DABCO	Sigma-Aldrich	D-2522	
Tris-HCl	AppliChem	A1086	
β-casein	Sigma-Aldrich	C6905	
Filter 0.22 μm	Millex	SL6V033RS	
Round 10 cm dishes for cell culture	Thermo Fisher Scientific	150350	
Plastic Pasteur pipette	Assistent	569/3 40569003	
15-mL polypropylen tube	TPP	91015	
Hypodermic Needle 22G Black 30mm	BD Microlance	300900	
Sterile Luer-slip 1mL Syringes without needle	BD Plastipak	300013	
Micro glass slides	Assistent	2406	
18 x 18-mm glass coverslip	Assistent	1000/1818	
SW60 centrifuge tube	Beckman coulter	344062	
TLS-55 centrifuge tube	Beckman coulter	343778	
200-μL yellow tip	Starlab	S1111-0706	
1,000-μL Blue Graduated Tip	Starlab	S1111-6801	
1.5-mL test tube	Axygen	MCT-175-C 311-04-051	

18-mm diameter round coverslip	Assistant	1001/18	
35-mm diameter round dish with a 20-mm glass bottom (0.16 - 0.19 mm)	In vitro Scientific	D35-20-1.5-N	
Refractometer	Carl Zeiss	79729	
Plasma cleaner	Harrick Plasma	PDC-32G	
Sorvall WX80 Ultracentrifuge	Thermo Fisher Scientific	46900	
Tabletop ultracentrifuge	Beckman coulter	TL-100	
SW60 rotor	Beckman coulter	335649	
TLS-55 rotor	Beckman coulter	346936	
Confocal microscopy	Carl Zeiss	LSM-780	
Fugene HD transfection reagent	Promega	E2311	
Protein assay reagent A	Bio-Rad	500-0113	
Protein assay reagent B	Bio-Rad	500-0114	
Protein assay reagent S	Bio-Rad	500-0115	
Cell scraper	Homemade		Silicone rubber piece of about 2 cm, cut at a very sharp angle and attached to a metal bar or held with forceps
Refractometer	Carl Zeiss		
Minimum Essential Medium Eagle (MEM)	Sigma-Aldrich	M0643	
FCS	Thermo Fisher Scientific	10270-106	
MEM Non-Essential Amino Acids (NEAA)	Thermo Fisher Scientific	11140-035	
L-Glutamine	Thermo Fisher Scientific	25030-024	
Penicillin-Streptomycin	Thermo Fisher Scientific	15140-122	
pH Meter 691	Metrohm		
ImageJ software			NIH, Bethesda MD