

Materials List for:

Variations on Negative Stain Electron Microscopy Methods: Tools for Tackling Challenging Systems

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Materials

Name	Company	Catalog Number	Comments
200 mesh copper EM grids	Sigma-Aldrich	G4776-1VL	Other materials and/or mesh sizes can also be used
Ammonium Molybdate	Sigma-Aldrich	277908	
Carbon evaporator	Ted Pella Inc.	9620	Cressington 208 or equivalent
Collodion solution 2% in amyl acetate	Sigma-Aldrich	9817	
Dumont #5 negative pressure tweezers	World Precision Instruments	501202	Or other tweezers as preferred
Erbium Acetate	Sigma-Aldrich	325570	
Gadolinium Acetate	Sigma-Aldrich	325678	
Mica Sheets. 75x25x0.15mm.	AGAR Scientific	AGG250-1	
Microscope slides, white frosted	Fisher Scientific	12607976	Or equivalent
Parafilm	Fisher Scientific	10018130	Or equivalent
Pasteur pipette (glass)	Fisher Scientific	10343663	Or equivalent
Razor blade	Fisher Scientific	11904325	Or equivalent
Sandpaper	Hardware store		Wet and dry sandpaper with grit finer than 200 (600 suggested)
Samarium Acetate	Sigma-Aldrich	325872	
Sodium Hydroxide	Sigma-Aldrich	1.06462	
Sodium Phosphotungstate	Sigma-Aldrich	P6395	
Stainless Steel Mesh, 150x150 mm (cut to size).	AGAR Scientific	AGG252	
Thulium Acetate	Sigma-Aldrich	367702	
Two Step Carbon Rod Sharper, for 1/4" rods	Ted Pella Inc.	57-10	Or equivalent for carbon evaporator used
Ultra pure water			
Uranyl Acetate	Electron Microscopy Sciences	22400	
Uranyl Formate	Electron Microscopy Sciences	22450	
Vacuum grease	Fisher Scientific	12719406	Or equivalent
Whatman #1 Filter paper.	Fisher Scientific	1001 090	Or equivalent
Whatman #40 filter paper	Fisher Scientific	10674122	Or equivalent