

Materials List for:

Sample Preparation and Imaging of Exosomes by Transmission Electron Microscopy

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Materials

Name	Company	Catalog Number	Comments
Glutaraldehyde	EMS	16200	
Sodium cacodylate	EMS	12300	
Osmium tetroxide 1 g crystal	EMS	19100	Use only in fume hood
acetone	JUNSEI	1B2031	
Spurr medium	TED PELLA	18108	
Ultra-microtome	Leica	UCT	
Uranyl acetate	EMS	22400	Hazardous chemical
Lead citrate	EMS	17900	
Transmission Electron Microscopy	Hitachi	H7600	
nickel grid	EMS	G200-Ni	
Copper grid	EMS	G200-Cu	
glycine	SIGMA	022K5404	
Phosphate buffer saline	SIGMA	P4417	
Bovine serum albumin	Aurion	25557	
1st Antibody			purification in manually
Purified anti-human CD274 (B7-H1, PD-L1) Antibody	BioLegend	329710	Whole mount Immumogold
Purified Mouse IgG2b, κ Isotype Ctrl	BioLegend	401202	Whole mount Immumogold (Control)
2nd Anti-mouse igG conjugated 9-11 nm gold particle	sigma	G7652	
Transmission Electron Microscopy	JEOL	JEM2200FS	
Glow discharger	JEOL	JFC1100E	
Carbon grid	EMS	121119	
Paraformaldehyde	EMS	19210	
Formvar carbon coated Copper Grid (200 meh)	EMS	FCF200-CU	
Formvar carbon coated Nickel Grid (200 mesh)	EMS	FCF200-NI	

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