

Application of Monolayer Graphene to Cryo-Electron Microscopy Grids for High-resolution Structure Determination

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Materials

Name	Company	Catalog Number	Comments
250 mL beaker (3x)	Fisher	02-555-25B	
50 mL beaker (2x)	Corning	1000-50	
Acetone	Fisher	A949-4	
Aluminum foil	Fisher	15-078-292	
Ammonium persulfate	Fisher	(117874	
Coverslips 50 mm x 24 mm	Mattek	PCS-1.5-5024	
CVD graphene	Graphene Supermarket	CVD-Cu-2x2	
easiGlow discharger	Ted-Pella	91000S	
Ethanol	Millipore-Sigma	1.11727	
Flat-tip tweezers	Fisher	50-239-60	
Glass cutter	Grainger	21UE26	
Glass petri plate and cover	VWR	75845-544	
Glass serological pipette	Fisher	13-676-34D	
Grid Storage Case	EMS	71146-02	
Hot plate	Fisher	07-770-108	
Isopropanol	Sigma	W292907	
Kimwipe	Fisher	06-666	
Lab scissors	Fisher	13-806-2	
Methyl-Methacrylate EL-6	Kayaku	MMA M310006 0500L 1GL	
Molecular grade water	Corning	46-000-CM	
Negative action tweezers (2x)	Fisher	50-242-78	
P20 pipette	Rainin	17014392	
P200 pipette	Rainin	17008652	
Parafilm	Fisher	13-374-12	
Pipette tips	Rainin	30389291	

Quantifoil grids with holey carbon	EMS	Q2100CR1	
Spin coater	SetCas	KW-4A	with chuck SCA-19-23
Straightedge	ULINE	H-6560	
Thermometer	Grainger	3LRD1	
UV/Ozone cleaner	BioForce	SKU: PC440	
Vacuum desiccator	Thomas Scientific	1159X11	
Whatman paper	VWR	28297-216	