

Materials List for

# Fabrication of Monolayer Graphene-coated Grids for Cryoelectron Microscopy

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jove.com/video/65702

## Materials

Name	Company	Catalog Number	Comments
70% EtOH	Pharmco (190 pf EtOH)	241000190CSGL	
Acetone	Sigma Aldrich	650501-4L	
Ammonium persulfate (APS)	Sigma Aldrich	215589-500g	Hazardous; use extreme caution
Chloroform	Sigma Aldrich	C2432-1L	
Clamping TEM Grid Holder Block for 45 Grids	PELCO	16830-45	
Computer fan	Amazon (Noctua)	B07CG2PGY6	
Cover slip	Bellco Glass	1203J71	Standard cover slips
Crystallizing dish	Pyrex	3140-100	
Electronics duster	Falcon Safety Products	75-37-6	
Falcon Dust-off Air Duster	Staples	N/A	
Filter papers	Whatman	1001-055	
Fine tip tweezer	Dumont	0508-L4-PO	
Flask	Pyrex	4980-500	
Fork	Supermarket	N/A	
Glass pasteur pipette	VWR	14672-608	
Graphene/Cu	Graphenea	N/A	CVD monolayer graphene cu
Grid Coating Trough	Ladd Research Industries	10840	Fragile
Isopropanol	Fisher Scientific	67-63-0	
Kapton Tape	Amazon (MYJOR)	MY-RZY001	Polyimide tape
Kimwipes	Fisher Scientific	06-666	
Long tweezer	Cole Parmer Essentials	UX-07387-15	
Metal grid holder	Ted Pella	16820-81	
MMA(8.5)MMA EL 6	KAYAKU Advanced Materials	M31006 0500L 1GL	Flammable
Model 10 Lab Oven	Quincy Lab, Inc.	FO19013	
Petri dish	Pyrex	3610-102	
Plasma cleaner (Solarus 950)	Gatan, Inc.	N/A	

Scissors	Fiskars	194813-1010	
Standard Analog Orbital Shaker	VWR	89032-088	
UltrAuFoil R1.2/1.3 - Au300	Quantifoil	N/A	Holey gold grids
Ultraviolet Ozone Cleaning Systems	UVOCS	model T10X10/OES	