

Materials List for

# Routine Collection of High-Resolution cryo-EM Datasets Using 200 KV Transmission Electron Microscope

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jove.com/video/63519

## Materials

Name	Company	Catalog Number	Comments
AutoGrid rings	Thermo Fisher Scientific	1036173	Package of 100x AutoGrid rings for the standard EM grids.
C-Clip	Thermo Fisher Scientific	1036171	Package of 100 clips that secure the standard EM grids inside the AutoGrid rings.
Data Management Platform	Thermo Fisher Scientific	1160939	Part of the Glacios base configuraiton; includes Athena Software
EPU Quality Monitor	Thermo Fisher Scientific	1179770	
EPU Software	Thermo Fisher Scientific	1025080	Part of the Glacios base configuration
Ethane 3.5	Westfalen	A06010110	Ethane gas used for making liquid ethane (purity at least N35, i.e. 99.95% vol)
Falcon 4 200kV	Thermo Fisher Scientific	1166936	Direct electron detector
Glacios	Thermo Fisher Scientific	1149551	200 kV TEM
GloQube Plus Glow Discharge System for TEM Grids and surface modification	Quorum	N/A	also available via Thermo Fisher Scientific (PN 1160602)
QuantiFoil grids	Quantifoil	N/A	R-2/1, 300 mesh; carbon foil grid
Relion	MRC Laboratory of Molecular Biology	N/A	open source software: <a href="https://relion.readthedocs.io/en/release-3.1/">https://relion.readthedocs.io/en/release-3.1/</a>
Selectris with Falcon 4 for 200 kV	Thermo Fisher Scientific	1191753	Energy filter
Selectris X with Falcon 4 for 200 kV	Thermo Fisher Scientific	1191755	Energy filter
UltrAuFoil grids	Quantifoil	N/A	R-1.2/1.2, 300 mesh; gold foil grids
Vitrobot Mk. IV	Thermo Fisher Scientific	1086439	Automated vitrification system

Whatman 595 filter paper	Thermo Fisher Scientific	AA00420S	
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