

Materials List for

Cryo-Electron Microscopic Grid Preparation for Time-Resolved Studies using a Novel Robotic System, Spotiton

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jove.com/video/62271

Materials

Name	Company	Catalog Number	Comments
Buffer	N/A	N/A	
cryogenic grid storage boxes	EMS (Hatfield, PA; USA)	N/A	
Cu/Rh 300 mesh EM grids	EMS (Hatfield, PA; USA)	EMS300-Cu-Rh	treated to coat with nanowires as previously described (Wei et al, 2018)
ethane gas	TW Smith Corp. (Brooklyn, NY; USA)	N/A	
Grid-handling forceps	EMS (Hatfield, PA; USA)	78320-5B	
liquid nitrogen	Airgas, Inc. (Radnor, PA; USA)	N/A	
liquid nitrogen reservoir with brass ethane cup (from FEI Vitrobot)	ThermoFisher Scientific (Waltham, MA; USA)		
Picosystem	Hydro System and Supplies (Durham, NC; USA)	N/A	water purification system
Protein/other sample	N/A	N/A	
Solarus 950 plasma cleaner	Gatan, Inc. (Pleasanton, CA; USA)	N/A	