

Materials List for

Sample Preparation and Experimental Design for In Situ Multi-Beam Transmission Electron Microscopy Irradiation Experiments

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jove.com/video/61293

Materials

Name	Company	Catalog Number	Comments
Colutron Accelerator	Colutron Research Corporation	G-1	10 kV ion accelerator
Cu Omniprobe Lift-Out Grid with 4 posts	Ted Pella	DM71302	Cu Omniprobe Lift-Out Grid with 4 posts
Double Tilt Cryo TEM Stage	Gatan	DT636	Cryogenically cooled double tilt TEM holder
Double Tilt Heating TEM Stage	Gatan	DT652	Resistive heater equipped double tilt TEM holder
I ³ TEM	JEOL	JEM-2100	Modified transmission electron microscope for in-situ ion irradiation
Isopropanol	Fisher Scientific	A459-4	70 % v/v isopropanol
Mo Omniprobe Lift-Out Grid with 4 posts	Ted Pella	DM810113	Mo Omniprobe Lift-Out Grid with 4 posts
Petri Dish	Fisher Scientific	Corning 316060	60 mm diameter 15 mm height petri dish
Picoindenter TEM Stage	Bruker Hysitron	PI95	Picoindenter TEM Stage
Scios 2	ThermoFisher Scientific	SCIOS2	Dual beam focused ion beam scanning electron microscope
Tandem Accelerator	High Voltage Engineering Corporation		6 MV Van de Graaff-Pelletron ion accelerator
Tomography TEM holder	Hummingbird		TEM holder for tomography measurements
Tweezers	PELCO	5373-NM	Reverse action self closing fine tip tweezer