

Materials List for:

***In Situ* SIMS and IR Spectroscopy of Well-defined Surfaces Prepared by Soft Landing of Mass-selected Ions**

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Materials

Name	Company	Catalog Number	Comments
Gold on Silicon Substrates 1 cm ²	Platypus Technologies	Au.1000.SL1custom	
Gold on Silicon Substrates 4.8 mm diameter circular	SPI Supplies	4176GSW-AB	
Glass Scintillation Vials	Fisher Scientific	03-337-14	
Non-denatured Ethanol	Sigma-Aldrich	459836-1L	
Ultraviolet Cleaner	Boekel Scientific		
16-Mercaptohexadecanoic Acid	Sigma-Aldrich	448303-5G	
Hydrochloric Acid	Sigma-Aldrich	320331-500ML	
Aluminum Foil	Sigma-Aldrich	Z185140-1EA	
Metal Forceps/Tweezers	Wiha	49185	
Nitrile Gloves	Fisher Scientific	S66383	
Tris(2,2'-bipyridine)dichlororuthenium(II) hexahydrate	Sigma-Aldrich	224758-1G	
Methanol	Sigma-Aldrich	322415-1L	
1 ml Gas Tight Glass Syringe	Hamilton		
Syringe Pump	KD Scientific	100	
360 µm ID Fused Silica Capillary	Polymicro Technologies	TSP075375	
High Resistance Electrometer	Keithley	6517A	
Commercial TOF-SIMS Instrument	Physical Electronics	TRIFT	
Ultra High Purity Oxygen	Matheson	G1979175	
Research Purity Ethylene	Matheson	G2250178	
Cesium Ion Source	Heat Wave Labs	101502	
Commercial FTIR Spectrometer	Bruker	Vertex 70	