

Materials List for:

Conducting Miller-Urey Experiments

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Materials

Name	Company	Catalog Number	Comments
Glass Plugs for Manifold	Chemglass	CG-983-01	
High Vacuum Grease	Apiezon	N/A	Type M/N
Silicon High Vacuum Grease	Dow Corning	1597418	
Teflon PFA Tubing	McMaster-Carr	51805K54	
Ultra-Torr Vacuum Fittings	Swagelok	SS-4-UT-6	
Dry Scroll Vacuum Pump	Edwards	A72401905	
U-Tube Manometer	Alta-Robbins	100SS	
Tungsten Electrodes	Diamond Ground Products	TH2-1/16	2% thoriated
Methanol	Alfa Aesar	N/A	Ultrapure HPLC Grade
Teflon-Coated Magnetic Stir Bar	McMaster-Carr	5678K127	
Gaseous NH ₃	Airgas	AMAHLB	99.99% purity
Gaseous CH ₄	Airgas	ME UHP300	99.99% purity
Gaseous N ₂	Airgas	NI UHP300	99.999% purity
Tesla Coil	Electro-Technic Products	15001	Model BD-50E
24 hr Plug-in Basic Timer	General Electric Company	15119	
Cleaning Detergent	Alconox	1104	
Toluene	Thermo Fisher Scientific	N/A	Optima Grade
Luna Phenyl-Hexyl HPLC Column	Phenomenex	00G-4257-E0	Brand: Luna
Formic Acid	Sigma-Aldrich	F0507	Used to make 50 mM ammonium formate