

Materials List for:

***In situ* TEM of Biological Assemblies in Liquid**

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Materials

Name	Company	Catalog Number	Comments
E-chips, spacer chip	Protochips, Inc.	EPB-52TBD	400 µm x 50 µm window
E-chip, top chip	Protochips, Inc.	EPT-45W	400 µm x 50 µm window
Ni-NTA lipid	Avanti Polar Lipids	790404P	Powder form
DLPC (12:0) lipid	Avanti Polar Lipids	850335P	Powder form
Volumetric flasks	Fisher Scientific	20-812A; 20-812C	1 ml; 5 ml
Hamilton Syringes	Hamilton Co.	80300, 80400	1-10 µl; 1-25 µl
Whatman #1 filter paper	Whatman	1001 090	100 pieces, 90 mm
Glass Petri dishes	Corning	70165-101	100 mm x 15 mm
Glass Pasteur pipettes	VWR	14673-010	14673-010
Glass culture tubes	VWR	47729-566	6 mm x 50 mm
Acetone	Fisher Scientific	A11-1	1 L
Methanol	Fisher Scientific	A412-1	1 L
Chloroform	Electron Microcopy Sciences	12550	100 ml
His-tagged Protein A	Abcam, Inc.	ab52953	10 mg
Milli-Q water system	EMD Millipore Corp.	Z00QSV001	Ultrapure Water
HEPES	Fisher Scientific	BP310-500	500 g
Equipment			
Poseidon <i>In situ</i> specimen holder	Protochips, Inc.		FEI compatible
FEI Spirit BioTwin TEM	FEI Co.		120 kV
Eagle 2k HS CCD camera	FEI Co.		10 Å/pixel sampling at 30,000X
Gatan 655 Dry pump station	Gatan, Inc.		Pump holder tip to 10 ⁻⁶ range
PELCO easiGlow, glow discharge unit	Ted Pella, Inc.		Negative polarity mode
Isotemp heated stir plate	Fisher Scientific		Heat to 150 °C for 1.5 hr