

Materials List for:

Preparing Adherent Cells for X-ray Fluorescence Imaging by Chemical Fixation

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URL: <https://www.jove.com/video/52370>

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Materials

Name	Company	Catalog Number	Comments
Silicon nitride windows	Silson Ltd/J B J Business Park/ Northampton Rd, Northampton NN7 3DW, United Kingdom	SiRN-5.0-200-2.0-200. Order by size. Membrane size: 1.5 mm x 1.5 mm. Thickness: 200 nm. Frame size: 5 mm x 5 mm. Frame thickness: 200 µm.	Alternate source: SPI Supplies / Structure Probe, Inc. West Chester, PA.
Reverse tweezers	Electron Microscopy Sciences, P.O. Box 550, 1560 Industry Road, Hatfield, PA 19440, Tel: 215-412-8400, Toll Free: 800-523-5874, Fax: 215-412-8450	78520-5X	EMS 5X, NC – Ultra Fine Tweezers
Rubber grid mat	Electron Microscopy Sciences, P.O. Box 550, 1560 Industry Road, Hatfield, PA 19440, Tel: 215-412-8400, Toll Free: 800-523-5874, Fax: 215-412-8450	71170	Round Grid Mat
Acetic acid	Sigma-Aldrich, 3050 Spruce St., St. Louis, MO 63103, Tel: 800-325-3010, Fax: 800-325-5052	338826	trace metals grade concentrated acetic acid
PIPES buffer	Sigma-Aldrich, 3050 Spruce St., St. Louis, MO 63103, Tel: 800-325-3010, Fax: 800-325-5052	P6757	solid PIPES buffer
Formaldehyde stock solution	Electron Microscopy Sciences, P.O. Box 550, 1560 Industry Road, Hatfield, PA 19440, Tel: 215-412-8400, Toll Free: 800-523-5874, Fax: 215-412-8450	RT 17113	10 x 10 ml ampules of 20% aqueous paraformaldehyde