

Materials List for:

Preparation of Prokaryotic and Eukaryotic Organisms Using Chemical Drying for Morphological Analysis in Scanning Electron Microscopy (SEM)

Madison A. Koon¹, Khadijah Almohammed Ali¹, Robert M. Speaker¹, James P. McGrath¹, Eric W. Linton¹, Michelle L. Steinhilb¹

¹Department of Biology, Central Michigan University

Correspondence to: Michelle L. Steinhilb at stein3ml@cmich.edu

URL: <https://www.jove.com/video/58761>

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Materials

Name	Company	Catalog Number	Comments
gold-palladium	Ted Pella, Inc.	91212	
Silver conductive adhesive 503	Electron Microscopy Sciences	12686-15	
Whatman Nuclepore Track-Etched Membranes; diam. 25 mm, pore size 8 µm, polycarbonate	Sigma	WHA110614	
Whatman Nuclepore Track-Etched Membranes; diam. 25 mm, pore size 0.8 µm, polycarbonate, black	Sigma	WHA110659	
Whatman Nuclepore Track-Etched Membranes; diam. 25 mm, pore size 0.2 µm, polycarbonate	Sigma	WHA110606	
aluminum weighing dish	Fisher Scientific	08-732-100	
aluminum mounting stubs (12 mm)	Electron Microscopy Sciences	75210	
aluminum mounting stubs (25 mm)	Electron Microscopy Sciences	75186	
Adhesive tabs	Electron Microscopy Sciences	76760	
conductive carbon adhesive tabs	Electron Microscopy Sciences	77825	
F/2 media	Culture Collection of Algae at the University of Texas at Austin	https://utex.org/products/f_2-medium	No Catalog number given - see link
AF6 media	Bigelow - National Center for Marine Algae and Microbiota	https://ncma.bigelow.org/media/wysiwyg/Algal_recipes/NCMA_algal_medium_AF6_1.pdf	No Catalog number given - see link
Soil water medium	Carolina Biological Supply Company	153785	
Polyethylene glycol tert-octylphenyl ether (Triton X-100)	VWR	97062-208	
Hummer 6.2 Sputter Coater	Anatech USA	http://www.anatechusa.com/hummer-sputter-systems/4	No Catalog number given - see link
Hitachi 3400N-II SEM	Hitachi	https://www.hitachi-hightech.com/us/product_list/?id=sms2&md=sms2-1&sd=sms2-1-2&gclid=EAlaIqObChMlpq_jtJfj3AIVS7jACh2mdgkPEAAYASAAEgKAnfD_BwE	The company doesn't appear to sell this model any longer