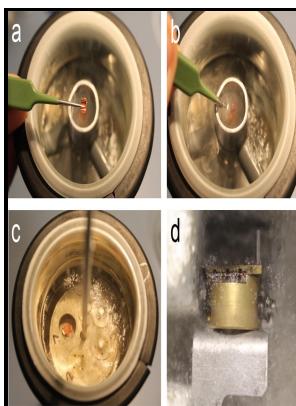


Freeze fracture images of cells and tissues

Oxford University Press - Freeze

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-Freeze fracture images of cells and tissues

Notes: Includes bibliographical references (p. 395-403) and index.

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Filesize: 58.82 MB

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CiteSeerX — A SIMPLE, SELECTIVE METHOD FOR FREEZE

Because having had years of working with freeze fracture systems, I know how versatile they are.

Chapter 11 Freeze

With over 150 illustrations and containing contributions by leading experts instrumental in the development of these techniques, Rapid Freezing, Freeze Fracture, and Deep Etching offers authoritative coverage of such novel topics as: Hyperbaric freezing Ultrarapid freezing techniques in the study of dynamic cellular processes Cytochemical methods utilizing lectins and antibodies for labeling specific cellcomponents Fracturing and shadowing under ultra-low temperature and ultra-high vacuum conditions Freeze fracture and deep etching in neurobiology Rapid Freezing, Freeze Fracture, and Deep Etching will appeal to both newcomers to the field and experienced researchers and will be essential reading for cell biologists and anatomists, as well as any researcher who uses electron microscopy.

Membrane changes during hibernation

If the pressure of the vacuum chamber is fixed, it is possible to increase the etching rate by raising the specimen temperature. Figure illustrates the apical brush border of the intestinal epithelium in which myosin-head decorated microfilaments forming the core of microvilli are anchored into a web of intermediate filaments below.

CELLvo™ Cells Technology — StemBioSys®

What are the benefits of a cryo SEM investigation? You also get topographic information, because of the nature of the signal acquisition in the SEM.

[PDF] A technique for the freeze

Cytoplasmic inclusion bodies are detected by synthetic antibody in ciliated bronchial epithelium during acute Kawasaki disease. FIGURE 1 Basic steps in the conventional freeze-fracture procedure described in the text.

Electron microscope

Cellular membranes are susceptible to injury by cold, which causes their lipid components to separate „„ Stefan Wiesner, Beiersdorf, Hamburg
Fig.

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