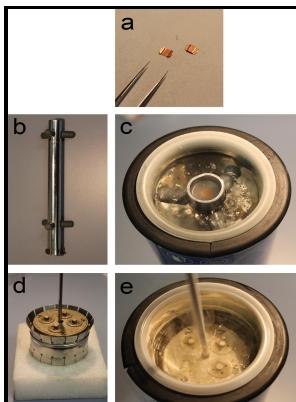


# Freeze fracture images of cells and tissues

## Oxford University Press - Freeze Fracture and Freeze Etching

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-Freeze fracture images of cells and tissues

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

This edition was published in 1991



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Tags: #Freeze

## Freeze Fracture and Freeze Etching

Van Nostrand Reinhold, New York. Specimen Temperature Adjustment At a vacuum of 10<sup>-4</sup>mbar or better, start the knife cooling and raise the specimen temperature to -110°C for freeze fracture or -100°C for freeze etching. The replica was prepared by the QF-DE-RS technique.

## Freeze Fracture and Freeze Etching

It is much more rapid. This mixture is applied to a suitably coated EM grid, blotted, then allowed to dry. Leave the slide on the hot plate for a few additional minutes to ensure that the section has adhered to the slide and has flattened out.

### freeze

Use of double-tilt device goniometer to obtain optimum contrast in freeze-fracture replicas.

## CiteSeerX — A SIMPLE, SELECTIVE METHOD FOR FREEZE

What are the benefits of a cryo SEM investigation? Such rotary shadowing, which results in a uniform distribution of platinum grains around protrusions and an absence of shadows, is particularly useful for deep etched specimens. However, for maximum contrast, the carbon thickness should be kept to the minimum required to maintain the structural integrity of large replica fragments during the subsequent cleaning process. Rinse grids in 2 × 50% acetic acid and 1 × acetone 4—5 dips.

## Freeze Fracture

Since the students who first encounters histology is typically introduced to a large body of information in a limited time period, we have sought to maximize the rapid transfer of information by the extensive use of summary type tables, charts and drawings.

## Freeze Fracture

The speed of submerging the specimen in fixative and thus the rapidity of fixation are the most critical factors. Pennate diatom from a mixed culture

of the protist *Euplotes*.

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