

# Water Permeability of Hypodermis Isolated from *Clivia miniata* Roots

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Z. Naturforsch. **53c**. 1096–1099 (1998);  
received July 29/September 7, 1998

Root, Hypodermis, Suberin, Water Permeability,  
Ionic Exchange Capacity

The fine structure and water permeability of hypodermis isolated from roots of *Clivia miniata* have been studied. The hypodermis is composed of five layers of cells arranged in radial rows. The cell walls of these layers consist of primary and tertiary walls and suberized secondary walls which are lamellated. Water permeability of the isolates was low, around the value of  $10^{-9}$  m s<sup>-1</sup>. This value was found independent of the pH solution and of the ionic exchange capacity of the isolates. Suberin extraction increased water permeability one order of magnitude.

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