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Functional Plant Biology

Contents

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Cover illustration: A cryo-fixed maize root in which inherent water and solutes have been retained *in situ*. The image includes a portion of two large metaxylem vessels, two early metaxylem vessels and three phloem poles. The eutectic pattern in the large sieve tubes is consistent with high sugar content, while absence of pattern in the xylem sap indicates low solute. The *in vivo* thickness of cell walls is preserved, including that of the thick, gel-like walls of the endodermis. Transverse cryo-planed face viewed by cryo-SEM (see McCully *et al*. pp. 97–124).
