

Plant Tissue Culture

Techniques and Experiments

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The third edition of *Plant Tissue Culture* builds on the classroom-tested, audience-proven manual that has guided users through successful plant culturing. The included experiments demonstrate major concepts and can be conducted with a variety of plant material that is readily available throughout the year. This practical guide provides a diverse learning experience and is appropriate for use by both university students and plant scientists.

KEY FEATURES

- Guides reader from lab setup to supplies, stock solution and media preparation, explant selection and disinfections, and experimental observations and measurement
- Provides new exercises demonstrating tobacco leaf infiltration to observe transient expression of proteins and subcellular location of the protein, and information on development of a customized protocol for protoplast isolation for other experimental systems
- Includes detailed drawings that complement both introductions and experiments
- Provides the latest techniques and media information, including *A. tumefaciens* mediated transformation and infusion technology



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