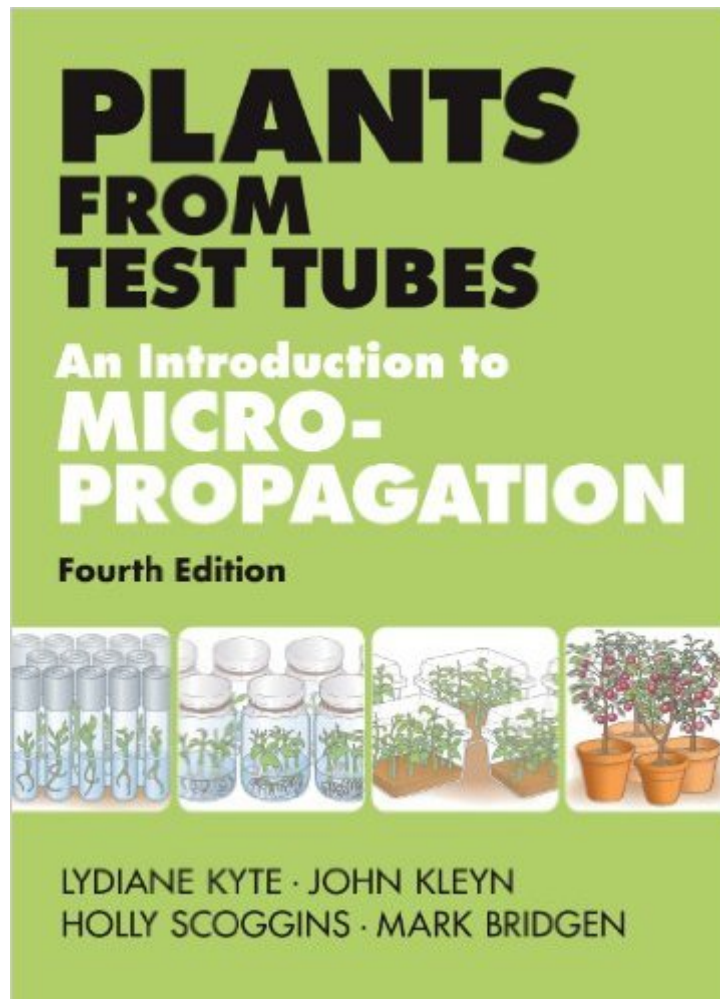


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# Plants From Test Tubes: An Introduction To Micropropagation, 4th Edition



## Synopsis

Thirty years ago, *in vitro* propagation was a new technique for producing plants, and Lydiane Kyte's *Plants from Test Tubes* became the standard work on the topic. The new fourth edition has been thoroughly revised and updated to reflect the many advances in science and technology, including the five accepted sequential stages of micropropagation. Ten new plants have been added. This in turn has greatly expanded the already extensive bibliography. Among the new topics that have been introduced or expanded on are embryo culture for breeding, somaclonal variation, anther culture, somatic embryogenesis, cryopreservation, and genetic engineering. More ornamental plant examples are given and many new illustrations provided, including a chronology of discoveries in micropropagation.

## Book Information

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Average Customer Review: 4.4 out of 5 stars [See all reviews](#) (25 customer reviews)

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## Customer Reviews

Excellent introduction to the Art and Science of Tissue Culture. Easy read that covers all stages which even includes formulas and processes for wide variety of plants. Only warning is that if you are thinking of getting into Tissue Culture as a hobby or vocation, this book will do nothing to discourage you. When you complete it, you will be convinced you will be able to reproduce all your favorite plants. You will buy a kit or the supplies, buy shelves and lights, then flats and inserts and potting soil. Soon you will need a greenhouse to "harden" the young plants. Then a couple of acres of "grow houses". Delivery trucks. Agrrrrr!!

The book is a textbook intended for horticultural students. It assumes very little prior knowledge,

even presenting high school chemistry. Various protocols are described for cloning different varieties of plants. The book does not assume the reader will have a complete laboratory for experiments (though it does address the needs of those who do). The language is relatively free of jargon, but does require serious study. Would guess it is used in various horticultural programs carried on in land grant universities.

Concise and useful instructions on cloning Orchids . Great tips for success on cloning specific orchids . Would highly recommend this book to self teach on micropropagation

Fairly good reading for a person with some familiarity with the topic. Some more practical alternatives for the hobbyist verses the university lab or commercial applications for hard to acquire items like antibiotics which are often prescription only in the US and disaster recovery methods instead of dump and start over, would be nice. For example, a medium that has recently become contaminated might have a recoverable specimen if it is given good wash in sterile water with a drop or two of chlorine and then replated, trimming a slightly contaminated exterior of a specimen down to a uncontaminated core and replating might save it, or when a contaminated plate has a photosynthetic specimen moving it to a clean lighted medium with no other energy sources added may starve any infectious agent that remains while leaving the specimen alive. Keeping in mind for a hobbyist a method that gets one or two survivors is far better that a much more precise, complex, and time consuming method that brings a 90% survival rate. As I said mostly nitpicking.

A great book for the person wanting to learn the basics of tissue culture. I have several books on the subject and I think this is by fare the best.

Interesting and informative. I love it.

This is the bible of tissue culture and this is a new more comprehensive fourth edition. I guess you could say 'new testament'.

Good intro for those looking at tissue culture.. Good overview of the basics, and setups.

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