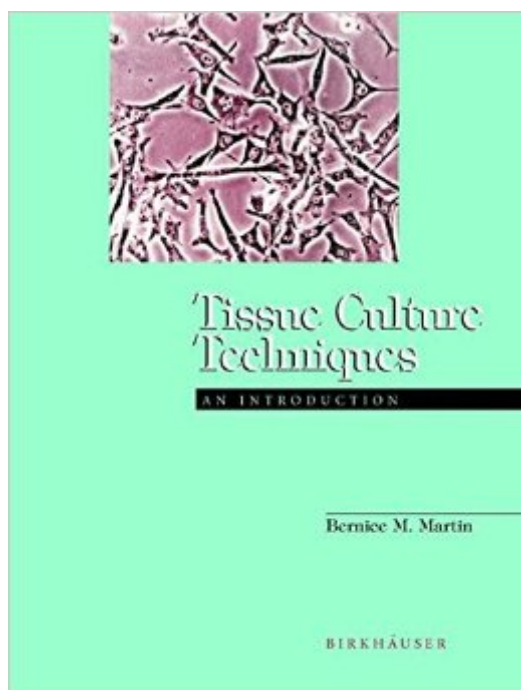


The book was found

# Tissue Culture Techniques: An Introduction



# Synopsis

ACKNOWLEDGMENTS .....	XI
II INTRODUCTION .....	
..... I STERILITY .....	
5 Aseptic Technique .....	5
5 Physical manipulations â ¢ Use of the sterile cabinet (hood) Sterilization Methods .....	
... 14 Heat â ¢ Radiation â ¢ Toxic gas â ¢ Filtration â ¢ Antibiotics Quality Control of Sterilization . ..... 23 Routine labeling Suggested Readings .....	
..... 25 Exercises .....	26
vi CONTENTS ROUTINE CELL CULTURE .....	29
Feeding Schedules and Media Components .....	29
General properties of media and salt solutions â ¢ water as a reagentÂ Establishingfeeding schedules Subcultivation .....	
..... 46 Solutions and methods for adherent cells â ¢ Common enzyme solutions â ¢ Inoculating (seeding) the cultures Cell Enumeration and Cell Viability .....	
..... 54 Hemocytometer â ¢ Particle counter â ¢ Cell viability Putting Routine Methods to Work .....	63
Normal cell growth characteristics Detecting and Disposing of Contamination .....	66
Bacteria and fUngi â ¢ Fungi â ¢ Mycoplasma â ¢ Viruses â ¢ Dealing with contamination Troubleshooting .....	
..... 73 Inadequate cell growth â ¢ Recurrent contamination â ¢ When to call your vendor Safety .....	80
Biological hazards â ¢ Chemical hazards Suggested Readings .....	
. 85 Problem Set .....	85
Exercises .....	
..... 89 EXPERIMENTS IN CULTURE .....	
..... 91 II Alterations of the Media .....	91
Serum â ¢ Treatments of serum â ¢ Plasma-derived serum â ¢ Serum-free and low-protein media Substrata. . . ..... 101 Coatingplasticware with solutions â ¢ Alterations with polymers â ¢ Using cells to coat the plasticware â ¢ Culturing cells on microcarriers Altering the Environment. .... 106 Temperature changes â ¢ Gaseous changes Problem Set .....	110
Exercises .....	
..... 110 CONTENTS vii PRIMARY CELL CULTURE. .... 113 Isolation .....	
..... 114 Dissection â ¢ Enzymatic dissociation methods â ¢ Nonenzymatic isolation â ¢ Purification of cell suspensions â ¢ Consideringyield and survival Chatacterization .....	
.....	

## Book Information

Paperback: 260 pages

Publisher: BirkhÃfÃ¼user; 1994 edition (May 23, 2008)

Language: English

ISBN-10: 0817636439

ISBN-13: 978-0817636432

Product Dimensions: 7 x 0.6 x 10 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 starsÃ See all reviewsÃ (2 customer reviews)

Best Sellers Rank: #1,242,060 in Books (See Top 100 in Books) #146 inÃ Books > Medical Books > Basic Sciences > Histology #212 inÃ Books > Textbooks > Medicine & Health Sciences > Medicine > Diagnostics & Labs > Laboratory Medicine #299 inÃ Books > Medical Books > Medicine > Internal Medicine > Pathology > Laboratory Medicine

## Customer Reviews

great textbook . came as advertised. good study resource, helped a great deal during exam time. glad i bought this book.

A great book for the person wanting to learn the basics of tissue culture.

[Download to continue reading...](#)

Soft Tissue Injuries and Hard Ball Tactics: Dealing With Soft Tissue Injuires and Insurance Companies  
Tissue Engineering I: Scaffold Systems for Tissue Engineering (Advances in Biochemical Engineering/Biotechnology) (v. 1)  
Tissue Culture Techniques: An Introduction Culture of Cells for Tissue Engineering  
Plant Tissue Culture: A Classified Bibliography (Developments in Crop Science)  
Release Your Pain - Resolving Soft Tissue Injuries with Exercise and Active Release Techniques  
Master Techniques in Orthopaedic Surgery: Soft Tissue Surgery  
Forensic Science: An Introduction to Scientific and Investigative Techniques, Third Edition (Forensic Science: An Introduction to Scientific & Investigative Techniques)  
Dr. Jensen's Guide to Better Bowel Care: A Complete Program for Tissue Cleansing through Bowel Management  
Pediatric Bone and Soft Tissue Sarcomas (Pediatric Oncology)  
Connective Tissue Diseases: Holistic Therapy Options--Sjogrens Syndrome; Systemic Sclerosis - Scleroderma; Systemic Lupus Erythematosus; Discoid Lupus Erythematosus; Secondary and Primary Raynauds phenomenon; Raynauds Disease; Polymyositis Dermatomyositis  
Anatomy and Physiology Study Guide: Key Review

Questions and Answers with Explanations (Volume 3: Nerve Tissue, Spinal Nerves & Spinal Cord, Cranial Nerves & Brain, Neural Integrative, Motor & Sensory Systems, Autonomic Nervous System, Special Senses) Handling Injuries to the Neck and Back: Soft Tissue, Disc, and Spinal Cord Dr Schuessler's Bio-chemic tissue salts (Naturopathic Nutritional Medicine Book 5) Masaje profundo para la liberacion de tejidos blandos / Deep massage for soft tissue release (Spanish Edition) Principles of Tissue Engineering, 4th Edition Orthodontically Driven Corticotomy: Tissue Engineering to Enhance Orthodontic and Multidisciplinary Treatment Oral Soft Tissue Diseases: A Reference Manual for Diagnosis & Management Optimal Implant Positioning & Soft Tissue Management for the Branemark System Procedures in Cosmetic Dermatology Series: Soft Tissue Augmentation with DVD, 2e

[Dmca](#)