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Nota di contenuto	Front Cover; BIOMEDICAL ELECTRON MICROSCOPY; Copright Page; FOREWORD; PREFACE; ACKNOWLEDGMENTS; CHAPTER 1. MICROGRAPH INTERPRETATION; 1. Classical Preparation Method; 2. Low Temperature Approach; 3. A Common Test Specimen; 4. Detection of Objects; 5. Identification of Artifacts; 6. Analysis of Geometry; 7. Biological Identification; 8. Biological Diversity; 9. Analysis of Dynamics: Endocytosis; 10. Analysis of Dynamics: Synthesis; 11. Comparison of Methods; 12. Variations in Magnifications; 13. Interpretation Difficulties; 14. Diagnostic Pathology; CHAPTER 2. FIXATIVES 1. Osmium Tetroxide and Glutaraldehyde at Low Magnification2. Osmium Tetroxide and Glutaraldehyde at High Magnification; 3. Glutaraldehyde Concentration: Perfusion Fixation; 4. Glutaraldehyde Concentration: Immersion Fixation; 5. Long Fixation Times; 6. Formaldehyde-Glutaraldehyde Combinations; 7. Potassium Permanganate, Picric Acid, and Ruthenium Red; 8. Lead Salts and Tannic Acid; 9. Uranyl Acetate Postfixation; 10. Tannic Acid-Uranyl Acetate Variations; 11. Osmium Tetroxide-Potassium Ferrocyanide; 12.

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ULTRAMICROTOMY

1. Correlation of Light and Electron Microscopy

Sommario/riassunto

This comprehensive reference illustrates optimal preparation methods in biological electron microscopy compared with common methodological problems. Not only will the basic methodologies of transmission electron microscopy like fixation, microtomy, and microscopy be presented, but the authors also endeavor to illustrate more specialized techniques such as negative staining, autoradiography, cytochemistry, immunoelectron microscopy, and computer-assisted image analysis. Key Features* Authored by the key leaders in the biological electron microscopy field* Illustrates both optimal
