



Molecular Biology and Biotechnology: Microbial Methods

By Manoj V. Parakhia,Rukham S. Tomar,Sunil Patel,B.A. Golakiya

New India Publishing Agency, 2010. Hardcover. Book Condition: New. Though microbes are small; at molecular level all of them are complicated entities. Microbial methods described in "Molecular Biology and Biotechnology" cover most of the laboratory protocols and practical essential for the research and teaching the same. This text consists of 370 pages divided into 36 chapters followed by detailed glossary. It's a good companion for microbiology researchers, teachers and students Contents Message Foreword Preface Abbreviations 1. Laboratory Safety Rules 2. Milestones in DNA History and Biotechnology 3. Contribution in Development of DNA and Biotechnology 4. Equipments Required in a Molecular Marker Laboratory 5. Basic Calculations used in Microbial. Biotechnology 6. Basic Principals in Preparation of Reagents Required in Microbial Biotechnology 7. Isolation of Bacterial Genomic DNA 8. Isolation of RNA from Yeast 9. Nucleotide Composition of RNA 10. DNA Melting Point Determination 11. Quantitative Determination of DNA by DPA Method and Spectroscopic Method 12. Estimation of RNA by Orcinol Method 13. Electrophoresis 14. SDS-Page Electrophoresis 15. Polymerase Chain Reaction 16. Restriction Enzyme Digestion 17. Extraction of DNA Fragments from Agarose Gel 18. Isolation the Mammalian DNA from Whole Blood 19. Isolation of Plasmid DNA from Bacteria 20. Random Amplified...



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