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Instrumental Methods of Analysis in Biotechnology

By Dinesh Kumar Chatanta, Prahlad Singh Mehra

I.K. International Publishing House Pvt. Ltd., 2012. Paperback. Book Condition: New. 16cm x 24cm. Instrumental Methods of Analysis in Biotechnology is an attempt to give an overview of instrumentation and techniques used in biotechnology and other related fields of biological sciences. Salient feature of the book are: ò Covers the various types of microscopes, centrifugation techniques used in separation of biomolecules, chromatographic techniques used in separation of biological molecules with special reference to HPLC and GC techniques, ò Covers the techniques used for purification of nucleic acids, PCR techniques and various electrophoretic techniques, ò Focuses on various spectrophotometric techniques used in biochemical analysis and Mass spectroscopy covers the principle and applications of Raman, Infra-red spectroscopy, NMR, ESR and Magnetic Resonance Imaging (MRI), ò Includes Radioisotopic techniques such as GM and Scintillation counters and RIA, ELISA. This book also discusses the various approaches used in determination of microbial growth with emphasis on FACS and coulter counter techniques. This book serves as a valuable source of information for students, teachers and researchers pursuing their study in biotechnology and other biological sciences courses of various Universities.



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