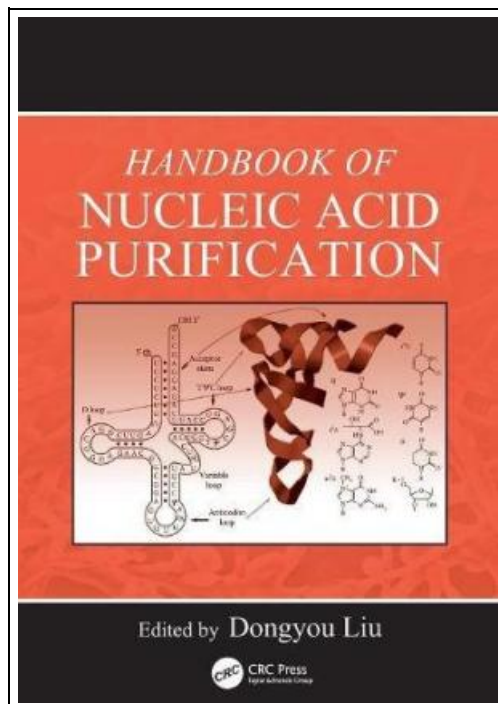


## Handbook of Nucleic Acid Purification



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## HANDBOOK OF NUCLEIC ACID PURIFICATION



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CRC Press. Paperback. Condition: New. 584 pages. Dimensions: 9.8in. x 6.8in. x 1.5in. An Indispensable Roadmap for Nucleic Acid Preparation Although Friedrich Miescher described the first isolation of nucleic acid in 1869, it was not until 1953 that James Watson and Francis Crick successfully deciphered the structural basis of DNA duplex. Needless to say, in the years since, enormous advances have been made in the study of nucleic acids, and these have become a cornerstone for all branches of modern biological sciences. The Handbook of Nucleic Acid Purification provides researchers and students with an all-encompassing volume on nucleic acid extraction strategies. Due to the complexities within prokaryotic and eukaryotic cells, purification of the nucleic acids often forms a vital first step in the study of molecular biology of living organisms as well as in the evolutionary/phylogenetic analysis of ancient specimens. Bringing together contributions from leading researchers, the handbook presents a comprehensive catalog of nucleic acid isolation methods. It includes dedicated sections on strategies for viruses, bacteria, fungi, parasites, insects, mammals, and plants, as well as for ancient samples, with an additional emphasis on sample preparation methods for direct molecular applications. Each chapter in this handbook: Explores the biological background important to understanding specific organisms and specimens Reviews principles and current techniques for efficient isolation Discusses challenges and future trends relating to improved recovery of nucleic acids Besides providing an updated, reliable reference for anyone with an interest in molecular biology, this book offers a practical guide for clinical, forensic, and research scientists involved in molecular analysis of biological specimens. It also constitutes a convenient resource for students in other areas of biological sciences, and an indispensable roadmap for both new and experienced researchers wishing to acquire or sharpen their skills in nucleic acid preparation. This item ships from multiple locations. Your...



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