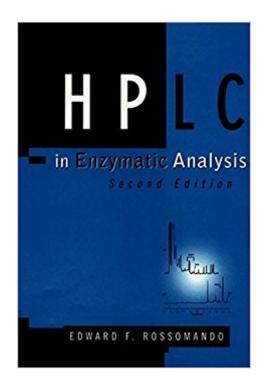


The book was found

HPLC In Enzymatic Analysis (Methods Of Biochemical Analysis)





Synopsis

The use of High Performance Liquid Chromatography (HPLC) techniques in the study of enzymatic reactions has grown significantly since the publication of the first edition of this highly successful book: the role of enzymes in biological research has expanded; the application of HPLC and enzymes has extended to more disciplines; advances in separation techniques and instrumentation have increased the capability of HPLC; and the discovery of new enzymes has spawned new methods of analysis. High Performance Liquid Chromatography in Enzymatic Analysis, Second Edition addresses these developments in its coverage of the refinements of HPLC methods and their use in a wide range of laboratory applications. It offers the same practical approach found in the first edition, incorporates a wealth of new information into existing chapters, and adds new chapters to deal with new applications, including capillary electrophoresis, forensic chemistry, microdialysis, and the polymerase chain reaction. Topics include: * Application of HPLC to the assay of enzymatic activities * Concepts and principles of HPLC, including the latest technological advances * Concepts and principles of capillary electrophoresis (CE) * Strategy for design of an HPLC/CE system for assay of enzyme activity * Preparation of enzymatic activities from tissues and single cells * Analysis of enzymatic activities in body fluids, including chromatobiosis * HPLC for the identification of new enzymatic activities * Fundamentals of the polymerase chain reaction * HPLC in forensics * Survey of enzymatic activities assayed by the HPLC method, including many new categories * Multienzyme systems, including many new examples * HPLC in the analysis of contaminated food "It is the ability of HPLC to accomplish separations completely and rapidly that led to its original application to problems in the life sciences, particularly those related to purification. An analysis of the literature revealed that this technique was used primarily for the purification of small molecules, macromolecules such as peptides and proteins, and more recently, antibodies. This application to purification has all but dominated the use of the method, and there has been a plethora of books, symposia, and conferences on the use of HPLC for these purposes. However, it was only a matter of time before others began to look beyond and to explore the possibilities that result from the capacity to make separations guickly and efficiently." --from the preface to the First Edition Easy to read and full of practical advice and hundreds of diagrams and examples, High Performance Liquid Chromatography in Enzymatic Analysis, Second Edition is an invaluable resource for students, researchers, and laboratory workers in analytical chemistry and biochemistry, molecular biology and cell biology, and for anyone interested in keeping up with this fast-growing field.

Book Information

Series: Methods of Biochemical Analysis (Book 38) Hardcover: 480 pages Publisher: Wiley-Liss; 2 edition (April 21, 1998) Language: English ISBN-10: 0471103403 ISBN-13: 978-0471103400 Product Dimensions: 6.4 x 1.1 x 9.2 inches Shipping Weight: 1.9 pounds (View shipping rates and policies) Average Customer Review: Be the first to review this item Best Sellers Rank: #4,524,771 in Books (See Top 100 in Books) #87 inà Â Books > Science & Math > Chemistry > Chromatography #1508 inà Â Books > Science & Math > Chemistry > Analytic #2687 inà Â Books > Science & Math > Experiments, Instruments & Measurement > Methodology & Statistics

Customer Reviews

"This book discusses how to design a successful HPLC-based assay, and surveys many recent HPLC-based assays that have appeared in the primary literature." --The Quarterly Review of Biology, June 1999

This second edition of a highly successful and widely-known book describes refinements of high performance liquid chromatography (HPLC) methods and explains and illustrates a range of laboratory applications. It features new chapters covering important new applications of the method for the rapid separation, purification, identification, and analysis of proteins, nucleic acids, and small molecules.

Download to continue reading...

HPLC in Enzymatic Analysis (Methods of Biochemical Analysis) Methods of Soil Analysis. Part 2. Microbiological and Biochemical Properties (Soil Science Society of America Book, No 5) (Soil Science Society of America Book Series) HPLC Methods for Recently Approved Pharmaceuticals HPLC in Nucleic Acid Research: Methods and Applications (Chromatographic Science Series) Practical HPLC Method Development Basic HPLC and CE of Biomolecules Practical Problem Solving in HPLC HPLC Columns: Theory, Technology, and Practice HPLC: Practical and Industrial Applications, Second Edition (Analytical Chemistry) HPLC: A Practical User's Guide Practical HPLC Methodology and Applications Troubleshooting HPLC Systems: A Bench Manual Handbook of Derivatization Reactions for HPLC HPLC of Macromolecules: A Practical Approach (Practical Approach Series) Hplc Of Biological Macro- Molecules, Revised And Expanded (Chromatographic Science (Hardcover)) Diode Array Detection in HPLC (Chromatographic Science Series) Fifty Shades of Narcissism: Your Brain on Love, Sex and the Narcissist: The Biochemical Bonds That Keep Us Addicted to Our Abusers Biochemical, Physiological, and Molecular Aspects of Human Nutrition, 3e DARWIN'S BLACK BOX: The Biochemical Challenge to Evolution Sterling Test Prep MCAT Practice Tests: Chemical & Physical + Biological & Biochemical Foundations

Contact Us

DMCA

Privacy

FAQ & Help