



High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications)

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A complete and up-to-date manual on HPCE theory and practice

High Performance Capillary Electrophoresis brings together in one volume essential coverage of the theory, techniques, and applications of this highly useful and efficient technology.

Suitable for the novice as well as the experienced user of HPCE, this book features expert contributions from highly respected scientists representing a wide range of disciplines. Chapters, which are grouped into sections to make information easy to find, cover:

- * Theory and principles of the six HPCE techniques
- * Detection systems, including indirect detection
- * Essential operation topics such as sample introduction and stacking, coated capillaries, and method validation
- * Recently developed methods, including two-dimensional separations, nonaqueous CE, and HPCE on microchips
- * All of the basic HPCE applications, with an emphasis on bioanalytical uses
- * HPCE in the determination of physico-chemical properties of molecules

With features and capabilities that match--and even surpass--those of conventional electrophoresis and HPLC, high performance capillary electrophoresis (HPCE) is the fastest developing technology for the separation and analysis of chemical compounds. Keeping pace with the rapid changes in this field and the wealth of journal articles on the subject is a difficult and time-consuming challenge for anyone needing a basic and up-to-date grasp of HPCE.

This book makes it much easier to find this important information--with comprehensive one-source coverage of all of the essential aspects of HPCE theory, techniques, and applications. Featuring the contributions of well-

qualified, highly regarded scientists, it is organized into sections on:

- * Theory and principles of HPCE techniques
- * Detection systems
- * Operation aspects and special methods in HPCE
- * Uses in chemical analysis
- * Physico-chemical studies

Specific topics addressed here that are not treated extensively by other books include two-dimensional separations, CE on microchips, nonaqueous CE, indirect detection, monitoring enzymatic reactions, and more.

As interest in HPCE continues to grow, it is clear that this technology has much to offer researchers and others working in disciplines ranging from analytical chemistry and biochemistry to pharmaceutical chemistry and biotechnology. High Performance Capillary Electrophoresis equips scientists and students with the knowledge they need to take immediate advantage of the exciting potential of HPCE.

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Editorial Review

From the Publisher

High performance capillary electrophoresis (HPCE) is a rapidly developing technology for separating and analyzing chemical compounds. The rapid developments in the field and the large number of journal publications have made it increasingly difficult to find essential and practical knowledge of HPCE easily. The book provides researchers with the theory, techniques and applications they need to understand and use HPCE effectively.

From the Inside Flap

With features and capabilities that match-and even surpass-those of conventional electrophoresis and HPLC, high performance capillary electrophoresis (HPCE) is the fastest developing technology for the separation and analysis of chemical compounds. Keeping pace with the rapid changes in this field and the wealth of journal articles on the subject is a difficult and time-consuming challenge for anyone needing a basic and up-to-date grasp of HPCE. This book makes it much easier to find this important information-with comprehensive one-source coverage of all of the essential aspects of HPCE theory, techniques, and applications. Featuring the contributions of well-qualified, highly regarded scientists, it is organized into sections on:

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From the Back Cover

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Users Review

From reader reviews:

Grace Robinson:

Why don't make it to become your habit? Right now, try to ready your time to do the important take action, like looking for your favorite guide and reading a book. Beside you can solve your problem; you can add your knowledge by the book entitled High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications). Try to make the book High-Performance Capillary Electrophoresis: Theory, Techniques, and Applications (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) as your friend. It means that it can become your friend when you really feel alone and beside that of course make you smarter than ever. Yeah, it is very fortunated to suit your needs. The book makes you considerably more confidence because you can know everything by the book. So , let us make new experience and knowledge with this book.

Carrie Hunter:

Do you considered one of people who can't read pleasant if the sentence chained inside the straightway, hold on guys this kind of aren't like that. This High-Performance Capillary Electrophoresis: Theory, Techniques,

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Michael Palmateer:

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