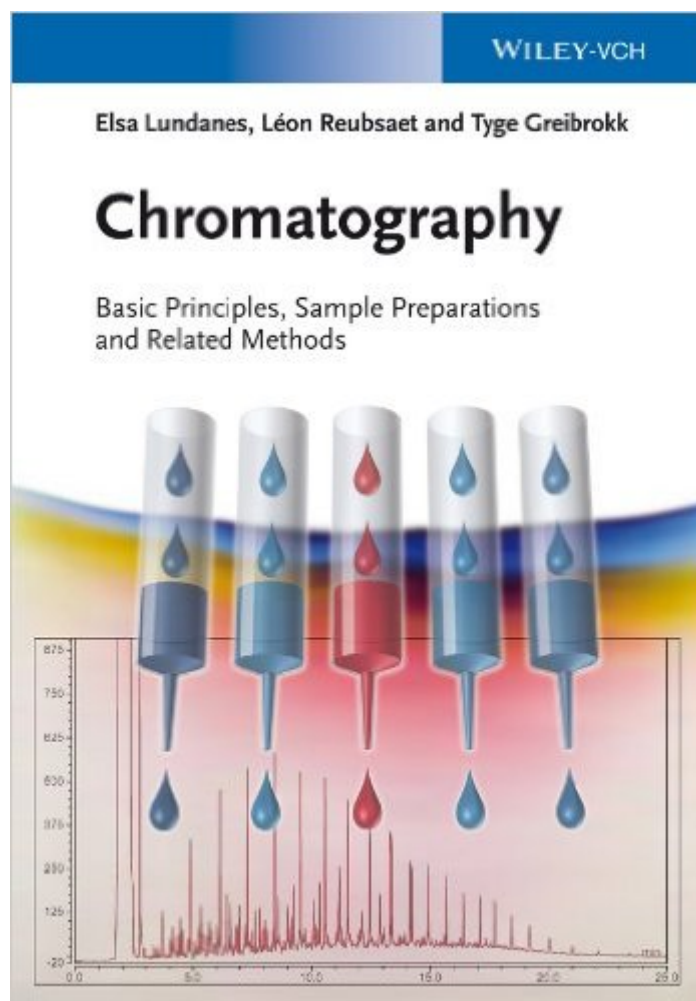


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# Chromatography: Basic Principles, Sample Preparations And Related Methods



## Synopsis

Finally a book on chromatography which is easy to grasp for undergraduates and technicians; covers the area in sufficient depth while still being concise. The book includes all recent technology advances and has core textbook features further improving the learning experience. This book is the perfect introduction into a methodology which is the underlying principle of the vast majority of separation methods worldwide. Everyone working in a lab environment must be familiar with the basis of these technologies and Tyge Greibrokk, Elsa Lundanes and Leon Reubsaet succeed in delivering a text which is easy to read for undergraduates and laboratory technicians, and covers the area in sufficient depth while still being concise. The book includes all recent technology advances and has core textbook features further improving the learning experience. Importantly, the text does not only cover all major modern chromatography technology (thin layer, gas, high pressure liquid, and supercritical fluid chromatography) but also related methods, in particular electrophoretic technologies.

## Book Information

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## Customer Reviews

Chromatography is an interesting collection of topics on the subject. It is generally well written and

covers a broad set of topics that one would see in chromatographic analyses. Chapter 1 is considered an introduction to general concepts. If one has been exposed to chromatography before then this chapter is an excellent set of highlights to topics well worth knowing. It summarizes many of the key issues that one faces in separating using basic chromatographic techniques. Chapter 2 provides an excellent overview of gas chromatography. It provides an overview of most of the major design and analysis techniques and it is an excellent review again for the student who has had prior exposure. Chapter 3 is similarly an excellent set of highlights of key points in HPLC. There are good discussions on how they are designed and function and on their applications and limitations. The discussions on injection techniques are well done especially for those using this for laboratory work. It helps the users better understand what and why they are doing certain procedures. The presentation provides a wealth of extensions into most of the techniques that one would see in a modern application. In addition there are excellent discussions on limitations and issues to be concerned about. Chapter 4 is a similar chapter discussing the issue of TLC. The discussion on two dimensional separations was especially useful and well developed. Chapter 5 extends the results to supercritical fluid chromatography. Chapter 6 is a discussion of Electrophoresis and similar techniques. Although this is often presented as a separate and stand-alone approach to separations the authors provide an excellent integration into a broad base of chromatographic applications.

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