



Instrumental Thin-Layer Chromatography (Handbooks in Separation Science)

By Colin Poole

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Instrumental Thin-Layer Chromatography delivers comprehensive coverage of this separation tool with particular emphasis on how this tool can be used in advanced laboratories and integrated into problem-solving scenarios. Significant improvements in instrumentation have outpaced the development of information resources that describe the latest state-of-the-art and demonstrate the full capabilities of TLC. This book provides a contemporary picture of the fundamentals and practical applications of TLC at a level suitable for the needs of professional scientists with interests in project management where TLC is a common tool. Compact, highly focused chapters convey essential information that defines modern TLC and how it can be effectively implemented in most areas of laboratory science. Numerous figures and tables provide access to material not normally found in a single source yet are required by working scientists.

- Contributions written by recognized authoritative and visionary experts
- Focuses on state-of-the-art instrumental thin-layer chromatography and advanced applications across many areas
- Provides guidance on the analysis of complex, dirty mixtures of compounds
- Offers a cost-effective analytic technique for laboratories working under strict budgets

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Bibliography

- Sales Rank: #5147469 in Books
- Published on: 2014-10-08
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.26" w x 7.50" l, 2.65 pounds
- Binding: Hardcover
- 652 pages



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Editorial Review

Review

"...an excellent book covering all fields of TLC...comprises state-of-the-art planar chromatography. I therefore recommend this book to all scientists working in the field of TLC or to those who want to explore planar chromatography."

From the Back Cover

Instrumental Thin-Layer Chromatography offers a contemporary picture of the fundamentals and practical applications of thin-layer chromatography. This book's comprehensive coverage of instrumental TLC emphasizes how this important separation tool can be used in advanced laboratories and integrated into problem-solving scenarios.

Key features • Authoritative and visionary contributions written by recognized experts and influencers in the field • Numerous essential figures and tables, placing modern developments in the research literature into a general context • Concise summaries of background materials and critically evaluated bibliographic material on the current state of the art in instrumental TLC

About the Author

Professor Colin Poole is internationally known in the field of thin-layer chromatography and is an editor of the *Journal of Chromatography* and former editor of the *Journal of Planar Chromatography - Modern TLC*. He has authored several books on chromatography, recent examples being "The Essence of Chromatography" published by Elsevier (2003), and "Gas Chromatography" published by Elsevier (2012). He is the author of approximately 400 research articles, many of which deal with thin-layer chromatography, and is co-chair of the biennial "International Symposium on High-Performance Thin-Layer Chromatography".

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