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Publisher *Taylor & Francis*

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Journal of Liquid Chromatography & Related Technologies

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713597273>

A Review of: “Reversed-Phase High-Performance Liquid Chromatography-Theory, Practice, and Biomedical Applications, A. M. Krstulovic and P. R. Brown, John Wiley & Sons, Inc., 605 Third Avenue, New York, NY, 10158, 1982, 312 pp., \$35.00 (US).”

To cite this Article (1982) 'A Review of: “Reversed-Phase High-Performance Liquid Chromatography-Theory, Practice, and Biomedical Applications, A. M. Krstulovic and P. R. Brown, John Wiley & Sons, Inc., 605 Third Avenue, New York, NY, 10158, 1982, 312 pp., \$35.00 (US).”', *Journal of Liquid Chromatography & Related Technologies*, 5: 10, 2017

To link to this Article: DOI: 10.1080/01483918208062870

URL: <http://dx.doi.org/10.1080/01483918208062870>

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BOOK REVIEW

REVERSED-PHASE HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY - Theory, Practice, and Biomedical Applications, A. M. Krstulovic and P. R. Brown, John Wiley & Sons, Inc., 605 Third Avenue, New York, NY, 10158, 1982, 312 pp., \$35.00 (US).

HPLC has become the method of choice for the solution of problems related to the analysis of substances of biomedical origin. Reverse phase techniques have all but replaced the classically employed approaches of ion exchange, adsorption, and gel filtration, no doubt due to the ultra-resolution and relatively mild experimental conditions they afford.

There is a need for a unified treatment of reverse phase chromatography including instrumentation, theory, and applications. This volume, well organized and expertly written by two eminent authorities, meets this need in a way that is easy to understand and to use. It is sprinkled throughout with tidbits of useful and practical information.

Most of the applications are taken from the life sciences and the book will be most useful to scientists in this area. However, the first 217 pages (more than 70% of the book) deal with a general treatment of chromatographic theory and reverse phase technology, including theory, instrumentation, mechanism, methods development strategy, peak characterization, and quantitation; thus, it will be of interest to anyone who plans to work with reverse phase liquid chromatography.

As with any volume, there are some weaknesses here. Derivatization, a very important subject, is barely mentioned in a two-page chapter. Also, a much more thorough treatment of ion-pairing would have been a welcome enhancement.

It is the reviewer's opinion that this volume is required reading for all chromatographers and for other scientists who will use reverse phase liquid chromatographic techniques for the solution of separations problems in their respective fields.