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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: "HPLC OF BIOLOGICAL MACROMOLECULES, METHODS AND APPLICATIONS, Karen M. Gooding and Fred E. Regnier, Editors, Chromatographic Science Series, Volume 51, Marcel Dekker, Inc., New York, 1990. Price - \$150.00 (USA and Canada), \$180.00 (all other countries)."

To cite this Article (1990) 'A Review of: "HPLC OF BIOLOGICAL MACROMOLECULES, METHODS AND APPLICATIONS, Karen M. Gooding and Fred E. Regnier, Editors, Chromatographic Science Series, Volume 51, Marcel Dekker, Inc., New York, 1990. Price - \$150.00 (USA and Canada), \$180.00 (all other countries)."', *Journal of Liquid Chromatography & Related Technologies*, 13: 11, 2297 – 2298

To link to this Article: DOI: 10.1080/01483919008049032

URL: <http://dx.doi.org/10.1080/01483919008049032>

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THE BOOK CORNER

HPLC OF BIOLOGICAL MACROMOLECULES, METHODS AND APPLICATIONS, Karen M. Gooding and Fred E. Regnier, Editors, Chromatographic Science Series, Volume 51, Marcel Dekker, Inc., New York, 1990. Price - \$150.00 (USA and Canada), \$180.00 (all other countries).

In the preface to their book the editors state that, "This book was written as a practical guide for scientists who must fractionate proteins, peptides, and polynucleotides." I am pleased to see that they have succeeded in achieving their objective. This book is an excellent reference not only to scientists but to all those interested in the separation of macromolecules. The editors have succeeded in bringing together a leading group of scientists in their respective fields, the result is impressive. The general format of the chapters is a brief description of the chemical and biological properties of the biomolecule family, followed by detailed HPLC methods that have been used successfully in their analysis. The book is divided into three parts: Part One presents the fundamental concepts of HPLC, generally in the context of biological macromolecules. Both theoretical and practical aspects are presented to aid in understanding the material. Parts Two and Three integrate the concepts of Part One into the practical applications of fractionating specific groups of biological macromolecules. Details of the contents are given below:

Part One The Technique

1. **Silica as a Support**, K.K. Unger, (p. 3).
2. **Organic Supports**, O. Mikes and J. Coupek, (p. 25).
3. **Size Exclusion Chromatography**, K.M. Gooding and F.E. Regnier, (p. 47).
4. **Ion Exchange Chromatography**, F.E. Regnier and R.M. Chicz, (p. 77).
5. **Hydrophobic Interaction Chromatography of Biopolymers**, R.E. Shansky, S-L. Wu, A. Figueroa, and B.L. Karger, (p. 95).
6. **Reversed Phase Chromatography in Analytical Biotechnology of Proteins**, J. Frenz, W.S. Hancock, W.J. Henzel, and C. Horvath, (p. 145).
7. **Metal Interaction Chromatography of Proteins**, Z. El Rassi and C. Horvath, (p. 179).
8. **Sample Preparation**, C.T. Wehr, (p. 215).

9. **Gradient Elution Separation of Large Biomolecules**, L.R. Synder, (p. 231).

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10. **Amino Acids in Protein Sequence Analysis**, C. Lazure, J.A. Rochemont, N.G. Seidah, and M. Chretien, (p. 263).
11. **HPLC of Peptides**, C.T. Mant and R.S. Hodges, (p. 301).
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20. **HPLC of Histones**, L.R. Gurley, W.D. Spall, J.G. Valdez, P.S. Jackson, J. Meyne, F.A. Ray, D.A. Prentice, and M. Blumenfeld, (p. 529).
21. **Glycoproteins**, N. Takahashi and F.W. Putnam, (p. 571).
22. **The Measurement of Interactions Involving Proteins by Size Exclusion Chromatography**, B. Seville, (p. 585).
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