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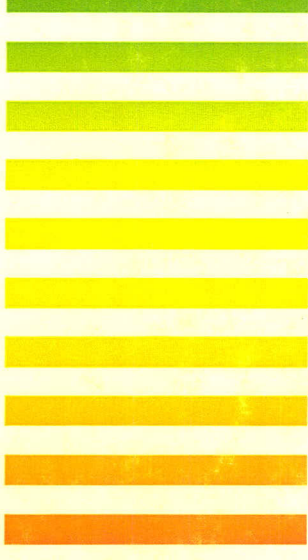
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For additional information see:  
*C.A.*, 107 (1987) 239289e.

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### 3. GENERAL TECHNIQUES

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For additional information see:  
*C.A.*, 107 (1987) 239225s, 249283y;  
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See also 1993, 2035, 2056, 2083.



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*C.A.*, 108 (1988) 15516v, 18847q, 31011g, 48376c.

- See also 1899, 1913, 1916, 1948, 1954, 1963, 1970, 2086, 2096, 2105, 2149, 2150, 2235, 2263, 2300, 2355, 2561, 2666, 2760, 2775, 2786.

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108 (1988) 8205q, 24044s, 31022m, 31037v, 34286m, 44488t.

See also 1920, 1921, 1959, 1973, 1979, 2041, 2066, 2067, 2070, 2072, 2076, 2078, 2079, 2082, 2094, 2353, 2356, 2760, 2768.



*3d. Quantitative analysis*

See 1888.

*3e. Preparative scale chromatography*

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See also 2016, 2306, 2482, 2660.

*3f. Programmed temperature, pressure, vapors, gradients*

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See also 1964.

*3g. High performance procedures*

For additional information see:  
*C.A.*, 108 (1988) 48212w.

See also 1968, 2010.

## 4. SPECIAL TECHNIQUES

*4a. Automation and computerization*

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See also 1901, 1943, 1955, 1957, 2075, 2640.

4b. Combination of various chromatographic techniques

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See also 2233, 2591, 2613, 2708, 2711, 2746.

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## 19. PROTEINS

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## 20. ENZYMES AND ENZYME ACTIVITY ESTIMATION

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### 20h. Isomerases

See 2020.

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108 (1988) 30917v, 48301z, 48322g.

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38c. *Permanent and rare gases*

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## Gas Chromatography

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## Planar Chromatography

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See also 546, 547, 749.

## 33. CLINICO-CHEMICAL APPLICATIONS

33a. *General papers and reviews*

See 584.

33b. *Complex mixtures and profiling (single compounds by cross ref. only)*

See 598, 604, 605, 613, 616, 627, 631, 651, 750.

## 34. FOOD ANALYSIS

34b. *Complex mixtures (single compounds by cross ref. only)*

See 552, 643, 748, 767, 768, 769.

## 35. ENVIRONMENTAL ANALYSIS

35e. *Water pollution (complex mixtures; single compounds by cross ref. only)*

See 540, 720.

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36b. *Antioxidants and preservatives*

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See also 540, 706.

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See 668.

## 32. DRUG ANALYSIS

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See 641.

32c. *Autonomic and cardiovascular drugs*

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32h. *Toxicological and forensic applications*

See 680.

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33b. *Complex mixtures and profiling (single compounds by cross ref. only)*

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## 34. FOOD ANALYSIS

## 34b. Complex mixtures (single compounds by cross ref. only)

See 742, 901.

## 36. SOME TECHNICAL PRODUCTS AND COMPLEX MIXTURES

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MONTH	J	F	M	A	M	J	J	A	S	O	N	D
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# High-Performance Liquid Chromatography of Biopolymers and Biooligomers

## Part A: Principles, Materials and Techniques

by O. Mikeš, *Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague, Czechoslovakia*

(Journal of Chromatography Library, 41A)

The book describes modern methods for the rapid column liquid chromatography of high- and medium-molecular-weight compounds of biological origin, as well as some other compounds such as immunomodulators. The work comprises two volumes: Part A dealing with general chromatographic theory, principles, materials and techniques; and Part B which will deal with the separation of individual compound classes.

Not only is this a specialized, detailed treatise on chromatographic techniques, it also gives a broad, balanced review of rapid separation of all known important biopolymers and biooligomers, both simple and complex, and also of some synthetically prepared and pharmaceutically important biooligomers. It also provides an introduction to the application of HPLC to the study of the structure of these substances. In many cases, the description of the many examples of separation processes contain all the details necessary to enable the experienced experimenter to reproduce the separation methods without the need to consult the original literature. This feature, coupled with the description of some auxiliary chemical modification procedures, make this a particularly suitable laboratory handbook.

Parts A and B together contain *almost 3,000 citations*, the most important of which are listed alphabetically in Part B in a full-title bibliography which also serves as a reference for the voluminous register of chromatographed substances.

The book is of interest to chemists studying natural compounds, biochemists, biologists, physicians, pharmacologists, those working in clinical diagnostics, research and scientific institutes, research, control and testing institutions and laboratories in agricultural sciences and the food industry sector, as well as those involved in development, production and testing of chromatographic equipment and column packings.

**Contents:** 1. Introduction. 2. Theoretical Approach to Liquid Column Chromatography and Fundamental Terminology. 3. Principles of the Rapid Separation of Biopolymers and Biooligomers. 4. Column Packings for HPLC and MPLC of Biopolymers and Biooligomers. 5. Instrumentation for HPLC and MPLC. 6. Laboratory Techniques and Working Methods. Subject Index.

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