

## Electrophoresis

### 1. REVIEWS AND BOOKS

- 1 Celis, J.E. (Editor): *Paper Symposium: Electrophoresis in Cancer Research. Electrophoresis (Weinheim)*, Vol. 15, VCH, Weinheim, 1994, 556 p.; C.A., 121 (1994) 53460y.
- 2 Chrambach, A., Dunn, M.J. and Radola, B.J.: *Advances in Electrophoresis*. VCH, Weinheim, 1993, 382 pp.; C.A., 121 (1994) 53454z.
- 3 Krull, I.S., Deyl, Z. and Lingeman, H.: General strategies and selection of derivatization reactions for liquid chromatography and capillary electrophoresis. *J. Chromatogr. B*, 659 (1994) 1-17 - a review with 175 refs.
- 4 Sadecka, J., Polonsky, J. and Shintani, H.: Current advancement of pharmaceutical analysis by capillary zone electrophoresis, micellar electrokinetic chromatography and isotachopheresis. *Pharmazie*, 49 (1994) 631-641 - a review with 233 refs.
- 5 Smith, N.W. and Evans, M.B.: Capillary zone electrophoresis in pharmaceutical and biomedical analysis. *J. Pharm. Biomed. Anal.*, 12 (1994) 579-611 - a review with 127 refs.
- 6 Viovy, J.L. and Lesec, J.: Separation of macromolecules in gels: permeation chromatography and electrophoresis. *Adv. Polym. Sci.*, 114(Polymer Analysis and Characterization) (1994) 1-41, C.A., 121 (1994) 199812m - a review with 186 refs.

See also 54, 68, 79, 86, 87, 98, 113, 136, 137, 165, 171, 202, 283, 346, 453, 748, 806, 849, 965, 989, 1001, 1011.

### 2. FUNDAMENTALS, THEORY AND GENERAL

#### 2a. General

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- 16 Knox, J.H.: Terminology and nomenclature in capillary electroseparation systems. *J. Chromatogr. A*, 680 (1994) 3-13.
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See also 24, 75, 88, 91, 140, 173, 332.

#### 2b. Thermodynamics and theoretical relationships

- 20 Egorova, E.M.: The validity of the Smoluchowski equation in electrophoretic studies of lipid membranes. *Electrophoresis (Weinheim)*, 15 (1994) 1125-1131.
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- 22 Rilbe, H.: On the use of dimensionless parameters in acid-base theory. VII. The pH of solutions of salts of a strong acid and a weak base or vice versa. *Electrophoresis (Weinheim)*, 15 (1994) 932-935.
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See also 93, 161.

#### 2c. Relationship between structure and electrophoretic behaviour

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2d. *Measurement of physico-chemical and related values*

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See also 465.

## 3. GENERAL TECHNIQUES

3a. *Apparatus and accessories*

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See also 55, 62, 96, 97, 99, 107, 118, 124, 135, 142, 338, 715, 793, 840.

3b. *Detectors and detection procedures*

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- See also 34, 103, 104, 107, 110, 111, 120, 218, 271, 284, 287, 289, 296, 299, 343, 607, 730, 828, 851, 901, 991, 1019.
- 3c. *Stabilization media for electrophoresis*
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- See also 115, 117, 119, 144, 158.
- 3d. *Quantitative analysis*
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- See also 218, 986.
- 3e. *Preparative scale electrophoresis*
- 75 Chiari, M., Nesi, M., Roncada, P. and Righetti, P.G.: Preparative isoelectric focusing in multicompartment electrolyzers: novel, hydrolytically stable and hydrophilic isoelectric membranes. *Electrophoresis (Weinheim)*, 15 (1994) 953-959.
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## 4. SPECIAL TECHNIQUES

## 4a. Automation

See 112.

## 4b. Computerization and modelling

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See also 23, 135, 177, 302, 332, 414, 470, 479, 813, 878, 880, 923.

## 4c. Combination with other physicochemical techniques, (MS, IR etc.)

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See also 103, 149, 318, 331, 349, 351, 353, 931, 968, 1011, 1012.

## 4d. Affinity electrophoresis

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See also 74, 370.

## 4e. Capillary zone electrophoresis and electrokinetic chromatography

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## 20. ENZYMES AND ENZYME ACTIVITY ESTIMATION

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