

Paper Chromatography and Electrophoresis: Electrophoresis in stabilizing media, by J. R. Whitaker
Chromatographic Methods in Inorganic Analysis
Ion Exchange in Analytical Chemistry

A Historical Dialogue

Paper Chromatography and Electrophoresis, Volume II presents methods, techniques and complete experimental procedures in paper chromatography. The book provides information and applications of paper chromatography such as the theory, mechanism, and fundamentals of the process; the separation of amino acids, carbohydrates, lipophilic steroids, and related compounds; and the separation and estimation of inorganic ions by paper chromatography. Chemists and laboratory researchers and technicians will find the book a valuable reference material.

This book represents a collaborative endeavor by a group of investigators to bring together in a single volume a critical discussion of the major facets of our knowledge, ranging from chemical to clinical aspects, of steroid conjugation. However, the important field of bile acid and bile alcohol conjugation has been discussed only superficially since it was decided arbitrarily to be outside the projected scope of the book. The reader is referred to the companion volume of this book, namely Physical Properties of Steroid Conjugates (by Bernstein, Dusza, and Joseph, Springer-Verlag New York 1968), for complementary information on individual conjugates. The Editors wish to thank Miss Elise Kramer for typing assistance. Also we wish to express our deep appreciation and gratitude to Mrs. Dorothy Budd, our copy-editor, and Mr. J. Joseph for their editorial assistance in making this book possible. SEYMOUR BERNSTEIN Pearl River, N. Y. January, 1970 SAMUEL SOLOMON V11 CONTENTS Preface . . . VII Nomenclature a, Discussion of Nomenclature System x b, Trivial and Systematic Names. x List of Contributors XI Chemistry: Synthesis and Characterization S. BERNSTEIN, I. P. DUSZA, and J. P. JOSEPH Enzymological Aspects of Steroid Conjugation A. B. Roy 74 The Hydrolysis of Steroid Conjugates H. L. BRADLOW 131 Isolation of Steroid Conjugates P. K. SITTERI. 182 The Biochemistry of the 3P-Hydroxy-L15-Steroid Sulfates K. D. ROBERTS and S. LIEBERMAN 219 Formation, Metabolism, and Transport of Estrogen Conjugates E. DICZFALUSY and M. LEVITZ.

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