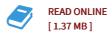




Capillary Electrophoresis of Carbohydrates

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Humana Press. Hardcover. Book Condition: New. Hardcover. 318 pages. Dimensions: 9.1in. x 6.2in. x 1.1in.Glycoconjugates such as glycoproteins and glycolipids play important roles in cellcell interaction events, including development, differentiation, m-phogenesis, fertilization, inflammation, and metastasis. A number of reports have documented the association of unique oligosaccharide sequences to p-tein targeting and folding, and in mechanisms of infection, inflammation, and immunity. For glycoproteins, these glycan appendages are the result of extensive co- or post-translational modifications of the nascent proteins in the endoplasmic reticulum and in the Golgi apparatus. Although nucleic acids and proteins are copied from a template in a repeated series of identical steps using the same enzymes, complex carbohydrates are formed by the sequential actions of cellular glycosyltransferases that specifically recognize unique s- strates. The molecular biology of these transferases and other carbohydra- modifying enzymes is providing important insights on oligosaccharide recognition events. While it is acknowledged that the definition of the protein complement of cells and tissues (the so-called proteome) remains an enormous task in this postgenomic era, the characterization of all glycans produced by individual organisms (referred to as the glycome) presents an equally imp-tant challenge. This task is further complicated by the fact...



Reviews

Extensive guideline! Its this sort of excellent read. it had been writtern quite properly and helpful. You can expect to like just how the writer create this book.

-- Mr. Gustave Gerhold

This book will never be straightforward to start on reading through but quite enjoyable to learn. Better then never, though i am quite late in start reading this one. Your lifestyle span will probably be convert once you complete reading this publication.

-- Dr. Kadin Hane DVM