

Methods Of Enzymatic Analysis

Methods of Enzymatic Analysis, Volume 2 reviews developments in the determination of enzyme activity, including advances in assay techniques. It discusses the principles on which measurements of enzymes are based, with each chapter including equations and each method consisting of the pipetting protocol. This volume is divided into four parts, each discussing a group of enzymes and their determination. Part I focuses on oxidoreductases, such as sorbitol dehydrogenase, lactate dehydrogenase, malate dehydrogenase, isocitrate dehydrogenase, 6-phosphogluconate dehydrogenase, xanthine oxidase, and glutamate dehydrogenase. Part II is concerned with transferases ranging from ornithine carbamoyltransferase and transamidinase to transketolase, transaldolase, UDP-glucuronyltransferase, glutamate-pyruvate transaminase, and phosphotransferases. Part III discusses hydrolases including esterases, glycoside hydrolases, peptidases, and proteinases, whereas Part IV looks at lyases, isomerases, and ligases, such as fructose-1, 6-diphosphate aldolase, 1-phosphofructoaldolase, glucosephosphate isomerase, and tetrahydrofolate formylase. This book is a valuable resource for biochemists as well as students and researchers working in the field of analytical biochemistry.

Methods of Enzymatic Analysis: Drugs and pesticides

Methods of Enzymatic Analysis: Proteins and peptides

Enzymes 1: oxidoreductases, transferases. Vol. 3

Methods of Enzymatic Analysis Academic Press
Methods of Enzymatic Analysis Elsevier

Methods of Enzymatic Analysis: Fundamentals

Methods of Enzymatic Analysis, Methods of Enzymatic Analysis

Methods of Enzymatic Analysis focuses on the general progress in enzymology and in the special field of enzymatic analysis. This book explores the commercial production of biochemical reagents for analysis and explains the transition from the possible use of enzymatic analysis to its various applications in pure and applied biochemistry. Organized into four sections, this book starts with an overview of the basis of enzymatic analysis and provides general experimental guidelines for the techniques of measurement and for the disintegration of cells and tissues. This text then provides detailed instructions for the determination of substrates and assay of enzyme activities. Other chapters explore the practical aspects and information necessary for the application of reagents to enzymatic analysis, including sources, stability, and purity required. The final section describes the commercially available enzymes, coenzymes, substrates, and several less common reagents. Biochemists, biophysicists, researchers, and graduate students will find this book extremely useful.

Methods of Enzymatic Analysis: Enzymes 2, Esterases, glycosidases, lyases, ligases

Volume 1: Fundamentals

Methods of Enzymatic Analysis; Volume 3: Enzymes 1: Oxidoreductases, Transferases

Index.

Enzymes. Oxidoreductases, transferases

Enzymes 3: Peptidases, Proteinases and Their Inhibitors. Vol. 5

Volume 2: Samples, Reagents, Assessment of Results

Conteudo: v.2 - Samples, reagents, assessment of results.

Volume 5: Enzymes 3: Peptidases, Proteinases and Their Inhibitors

Volume 4: Enzymes 2: Esterases, Glycosidases, Lyases, Ligases

Methods of Enzymatic analysis

Methods of Enzymatic Analysis, Volume 4 reviews developments in the use of enzymes as tools in analytical biochemistry, including advances in assay techniques. It discusses the principles and methods for the elucidation of structures of enzymes, such as peptides, proteins, amino acids, acid metabolites, lipids, steroids, nucleic acids, purines, pyrimidines, nucleosides, and coenzymes. It also considers the isolation and characterization of active centers in enzymes. This volume is divided into four parts, each discussing a group of enzymes and their determination. Part I focuses on proteins, peptides, and amino acids including amines and amides. Part II is concerned with fatty acid metabolites, lipids, and steroids ranging from polyunsaturated fatty acids and lecithin to choline, acetylcholine, triglycerides, glycerol, acetoacetate, triacetate, fumarylacetoacetate, 20-ketosteroids, prostaglandins, bile acids, and cholesterol. Part III discusses nucleic acids, purines, pyrimidines, nucleosides, coenzymes, and related compounds, whereas Part IV looks at other substrates and effectors such as inorganic phosphate. The book concludes with a chapter on metabolites and their concentrations in animal tissues. Biochemists as well as students and researchers working in the field of analytical biochemistry will find this book highly informative.

Methods of Enzymatic Analysis: Enzymes 3, Peptidases, proteinases, and their inhibitors

Methods of Enzymatic Analysis: Antigens and antibodies 1

Enzymes 1: Oxidoreductases, Transferases. Vol. 3

Conteudo: v.4 - Enzymes 2: Esterases, glycosidases, lyases, ligases.

Volume 11: Antigens and Antibodies 2

Volume 8: Metabolites 3: Lipids, Amino Acids and Related Compounds

Methods of Enzymatic Analysis: Metabolites 1, Carbohydrates