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Nota di contenuto	ADVANCES IN ENZYMOLOGY; CONTENTS; Blood Clotting and Related Processes; I. Introduction; II. Activation of Coagulation; A. Thromboplastin; B. Plasma Thromboplastin and Autocatalysis; C. The Role of Calcium; D. New Techniques; E. Determination of Prothrombin; F. Prothrombin and Thrombin; G. Factor 5 or the Accelerator Factor; III. The Clotting Process; A. Fibrinogen; B. Clotting of Fibrinogen; IV. Inhibition of Coagulation; A. Heparin; B. Antithrombin and Heparin; V. Conclueion; References; Tryptophanase-Tryptophan Reaction; I. Introduction; II. Early Studies on Mode of Formation of Indole A. Introductory Studies on MechanismB. Nature of the Cell-Free Enzyme; C. Further Studies on Mechanism; III. Preparation and Properties of the Cell-Free Enzyme; A. Michaelis Constant; B. Effect of pH; C. Effect of Enzyme Concentration; D. Heat of Activation of Tryptophan - Indole Reaction in Presence of Thyptophanase; IV. Metal Catalysis of Indole Production; V. Inhibitors; Effect of Various Cations; VI. Indole and the Synthesis of Tryptophan; VII. Inhibition of Indole Production in Culture by Fermentable Carbohydrate

Specific Inhibition of Indole Production by Escherichia coli in Presence of Phenylalanine or Tyrosine and Glucose in Simple MediaReferences; Phosphatase Alcaline; I. Introduction Generale; A. Existence de pH optima multiples des actions phosphatasiques, Signification; B. Phosphatases acides et phosphatases alcalines; C. Specificite de la phwphatase alcaline; II. Identification, preparation, et purification de la phosphatase alcaline; III. Effecteurs de la phosphatase alcaline; A. Inhibition et inactivation; B. Activation; C. Specificite d'organe et effecteurs  
D. Effecteurs et activite synthetisanteIV. Sur la constitution de la phosphatase alcaline; A. Dissociation et reconstitution de la phosphatase alcaline; B. Reactivation de la phosphatase alcaline au moyen d'effecteurs; C. Hypotheses sur la Constitution de la phosphatase alcaline; V. Conclusions generales; Bibliographie; Synthesis of Disaccharides with Bacterial Enzymes; I. Introduction; II. Preparation of the Enzymic Extract from Pseudomonas saccharophila; III. Synthesis of Sucrose through Mechanism of Phosphorolysis; IV. Specificity of Sucrose Phosphorylase  
V. Structure of Synthetic DisaccharidesA. Synthetic Sucrose; B. a-D-Glucopyranosyl-a-L-sorbofuranoside.; C. a-D-Glucopyranosyl-B-D-xyloketofuranoside; D. D-Glucosyl-L-araboketoside; E. 3-[a-D-Glucopyranosyl]-L-arabinopyranose; VI. Formation of Sucrose and Other Disaccharides through Exchange of Glycosidic Linkages; VII. Relation of Sucrose Phosphorylase to Polysacoharide Synthesizing Enzymes; References; Some Aspects of Streptomycin and Other Streptomyces Antibiotics; I. Introduction; II. Streptomycin; A. Isolation; B. Nomenclature; C. Molecular Formula and Properties; D. Streptidine E. Derivatives of Streptobiosamine

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### Sommario/riassunto

Advances in Enzymology and Related Areas of Molecular Biology is a seminal series in the field of biochemistry, offering researchers access to authoritative reviews of the latest discoveries in all areas of enzymology and molecular biology. These landmark volumes date back to 1941, providing an unrivaled view of the historical development of enzymology. The series offers researchers the latest understanding of enzymes, their mechanisms, reactions and evolution, roles in complex biological process, and their application in both the laboratory and industry. Each volume in the series featu

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