

1. Record Nr.	UNINA9911020375003321
Titolo	Advances in enzymology and related areas of molecular biology . Volume VIII // edited by F. F. Nord
Pubbl/distr/stampa	New York, : Wiley, 1948
ISBN	1-282-68219-9 9786612682193 0-470-12253-6 0-470-12330-3
Edizione	[11th ed.]
Descrizione fisica	1 online resource (550 p.)
Collana	Advances in enzymology and related areas of molecular biology ; ; 8
Altri autori (Persone)	NordF. F
Disciplina	572.7 612.0151
Soggetti	Clinical enzymology Enzymes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	ADVANCES IN ENZYMOLOGY; CONTENTS; Functioning of the Cytoplasm; I. Introduction; II. Substrata of the Basic Life Phenomena; III. Structure of Cytoplasm; A.Chromidia and Cytoplasmic Fibrils; B. Comparison of Various Living Fibrils; C. Cortex and Plasma Membrane; D. Mitochondria, Golgi Bodies, and Chloroplasts; E. Organization of the Cell; IV. Functioning of Cytoplasm; A. Dynamic State of the Structure of Protoplasm; B. Catabolic Activity; C. Contractility and Motility; D. Irritability and Conductivity; E. Permeability; F. Defense Mechanisms; G. Anabolic Activity; References Quantitative Studies on ComplementI. Analytical Microestimation of Complement in Weight Units and Its Consequences; A. Method of Analysis; B. Analytical Microestimation of Hemolysins in Weight Units; C. Relation between Complement, Hemolysin, and Red Cells; D. Relation between Complement, Antigen, and Antibody; II. Hemolytic Activity of Complement; A. Problems of Measurement and Calculation; B. Mechanism of Immune Hemolysis; III. Participation of Complement in Union of Antigen and Antibody; IV. Purification of Complement and Isolation of Its Components

V. Titration of the Components of Complement VI. Relation of Complement to Bactericidal and Opsonic Effects of Fresh Sera; VII. Conclusion; References; Dehydropeptidases; I. Introduction; II. Preparation and Properties of Dehydropeptides and Related Compounds; A. Syntheses Involving Azlactone Formation; B. Syntheses Involving Condensation of Amides and α -Keto acids; C. Syntheses Involving Condensation of Nitriles and α -Keto acids; D. Pyruvoylpeptides; E. Ultraviolet Absorption Spectra of the Dehydropeptides; F. Chemical Reactivity of Dehydropeptides III. Enzymic Hydrolysis of Dehydropeptides and Related Compounds A. Discovery and Specificity of Dehydropeptidase Activity; B. Distribution and Activity of Dehydropeptidases; C. Purified Preparations of Dehydropeptidases; IV. Enzymic Degradation of Possible Precursors of Dehydropeptides; A. Peptides of Cystine; B. Isomeric Peptides of Saturated Amino Acids; C. Diacylamino propionic Acids; D. Effect of α -Keto Acids on Deamidation of Glutamine and Asparagine; V. Dehydropeptidase I Activity in Tumors and in Pathological Sera; VI. General Aspects; References

Antifatty-Liver Factor of the Pancreas-Present Status I. Introduction; II. Survival of the Insulin-Treated Depancreatized Dog; III. Pathological Changes Appearing in Insulin-Treated Depancreatized Dog Fed a Diet of Lean Meat, Sucrose, Salts, and Vitamins; A. The Fatty Liver; B. Plasma Lipides; C. Absorption of Proteins; D. Body Weight; E. Cataracts; F. Cirrhosis of the Liver; IV. Effect of Raw Pancreas on Lipide Metabolism of the Insulin-Treated Depancreatized Dog; A. Liver Lipides; B. Blood Lipides; V. Relation of External Secretion of the Pancreas to Fat Metabolism

A. Lipide Changes in the Dog Subjected to Ligation of Pancreatic Ducts

Sommario/riassunto

Advances in Enzymology and Related Areas of Molecular Biology is one of the seminal series in the area of biochemistry. Giving the practising scientist access to regular and authoritative review of the latest advances in the rapidly moving area of enzymology and its role in molecular biology, the series is an essential information source for both students and researchers alike. Founded by Professor FF Nord as the successor series to *Ergebnisse der Enzymforschung*, the historic volumes date back to 1941 providing unrivalled access to the history of the development of one of the major areas of b