CONTENTS
Volume 226, No. 2, 1985

REVIEW ARTICLE
Regulation of cell proliferation and differentiation by interferons
M. J. CLEMENS & M. A. MCNURLAN 345-360

FULL AND RAPID PAPERS
Proteins
Isolation and characterization of chicken thymic electrolectin
G. LEVI & V. I. TEICHBERG 379-384
Aldehydes or dicarboxyls in non-enzymic glycosylation of proteins
H. T. BESWICK & J. J. HARDING 385-389
Soluble C3 proconvertase and convertase of the classical pathway of human complement. Conditions of stabilization in vitro
M.-B. VILLIERS, N. M. THIELENS & M. G. COLOMB 429-436
Factors determining the subunit composition of tropomyosin in mammalian skeletal muscle
D. H. HEELEY, G. K. DHOOT & S. V. PERRY 461-468
Assembly of chick and bovine lens-capsule collagen
C. M. TAYLOR & M. E. GRANT 527-536
A conformational study of a glutenine- and proline-rich cereal seed protein, C hordein
A. S. TATHAM, A. F. DRAKE & P. R. SHEWRY 557-562

Enzymes
Oxidation of NAD dimers by horseradish peroxidase
L. AVIGLIANO, V. CARELLI, A. CASINI, A. FINAZZI-AGRÒ & F. LIBERATORE 391-395

Binding of active and inactive forms of lipoprotein lipase to heparin. Effects of pH
G. BENGTSSON-OLIVECRONA & T. OLIVECRONA 409-413

Topography, purification and characterization of thyroidal NAD⁺ glycohydrolase

Effects of deuterium substitution α and β to the reaction centre, ¹⁸O substitution in the leaving group, and aglycone acidity on hydrolyses of aryl glucosides and glucosyl pyridinium ions by yeast α-glucosidase. A probable failure of the antiperiplanar-lone-pair hypothesis in glycosidase catalysis
R. E. GALARDY & Z. P. KORTYLEWICZ 447-454

Irreversible inhibition of Δ⁵-3-oxosteroid isomerase by 2-substituted progesterones
T. M. PENNING 469-476

Surface-simulation synthesis of the substrate-binding site of an enzyme. Demonstration with trypsin
M. Z. ATASSI 477-485

Spectroscopic evidence for a photosensitive oxygenated state of ammonia mono-oxygenase
J. H. SHEARS & P. M. WOOD 499-507

Low immunogenicity of the common lipoamide dehydrogenase subunit (E3) of mammalian pyruvate dehydrogenase and 2-oxoglutarate dehydrogenase multienzyme complexes
O. L. DE MARCUCCI, A. HUNTER & J. G. LINDSAY 509-517

Studies on the inhibition of ferrochelatase by N-alkylated dicarboxylic porphyrins
F. DE MATTEIS, A. H. GIBBS & C. HARVEY 537-544

Comparison of ornithine decarboxylase from rat liver, rat hepatoma and mouse kidney
J. E. SEELEY, L. PERSSON, G. J. SERTICH & A. E. PEGG 577-586

Chemical synthesis and papain-catalysed hydrolysis of N-α-benzoyloxy carbonyl-L-lysine p-nitroanilide
N. E. MACKENZIE, J. P. G. MALTHOUSE & A. I. SCOTT 601-606

Measurement of xylanase activity with insoluble xylan sulphate
M. NUMMI, J.-M. PERRIN, M.-L. NIKU-PAAVOLA & T.-M. ENARI 617-620
Contents

Carbohydrates
Hybrid sialylated N-glycans are minor constituents of normal BHK-cell glycoproteins and a prominent feature in glycoproteins of some ricin-resistant cell lines

Changes in glycan branching and sialylation of the Thy-1 antigen during normal differentiation of mouse T-lymphocytes

Structural studies of a mannitol teichoic acid from the cell wall of bacterium N.C.T.C. 9742

Lipids
Localization of chloroplastic fatty acid synthesis de novo in the stroma

Synthesis and degradation of macromolecules
Analytical errors in measuring radioactivity in cell proteins and their effect on estimates of protein turnover in L cells
Free hydroxyl radical is not involved in an important reaction of lignin degradation by Phanerochaete chrysosporium Burds

Intermediary metabolism and metabolic control
Stimulation of liver tryptophan pyrrolase during heat exposure
Heat exposure and hypothyroid conditions decrease hydrogen peroxide generation in liver mitochondria
Gonadotropin releasing hormone stimulates the formation of inositol phosphates in rat anterior pituitary tissue
Studies on the mechanism of inhibition of glucose-stimulated insulin secretion by noradrenaline in rat islets of Langerhans
Modulation by dexamethasone of the pyruvate dehydrogenase-complex activity in 3T3-L1 adipocytes

Bioenergetics and transport
Hepatic thiol and glutathione efflux under the influence of vasopressin, phenylephrine and adrenaline

Membranes and receptors
Physicochemical behaviour and structural characteristics of membrane-bound acetylcholinesterase from Torpedo electric organ. Effect of phosphatidylinositol-specific phospholipase C

Methods
Quin 2: the dissociation constants of its Ca$^{2+}$ and Mg$^{2+}$ complexes and its use in a fluorimetric method for determining the dissociation of Ca$^{2+}$-protein complexes
A new, rapid, method for preparation of dispersed pancreatic acini

R. C. HUGHES & G. MILLS 487–498
S. R. CARLSSON 519–525
W. J. ANDERTON & S. G. WILKINSON 587–599
K. A. WALKER & J. L. HARWOOD 551–556
J. A. SILVERMAN, J. MEHTA, S. BROCHER & J. S. AMENTA 361–368
T. K. KIRK, M. D. MOZUCH & M. TIEN 455–460
R. MANJUNATH & T. RAMASARMA 397–402
A. SWAROOP & T. RAMASARMA 403–408
M. P. SCHREY 563–569
N. G. MORGAN & W. MONTAGUE 571–576
M. S. PATEL, C. RAEFSKY, C.-W. C. HU & L. HO 607–611
H. SIES & P. GRAF 545–549
A. H. FUTERMAN, R.-M. FIORINI, E. ROTH, M. G. LOW & I. SILMAN 369–377
D. T. W. BRYANT 613–616
R. BRUZZONE, P. A. HALBAN, A. GJINOVCI & E. R. TRIMBLE 621–624