

SUBJECT INDEX

- β -N-Acetylglucosaminidase
Characterization, isolation and properties of thyroid glycosidases: β -Galactosidase, — and α -mannosidase (Chabaud et al.), 227 (1971) 154
- O-Acetyl-L-serine sulphydrylase
Purification and characterization of L-serine transacetylase and — from kidney bean seedlings (*Phaseolus vulgaris*), (Smith, Thompson), 227 (1971) 288
- Acid lipase
— of castor beans. Positional specificity and reaction mechanism (Noma, Borgström), 227 (1971) 106
- Acid phosphatases
Chromatographic fractionation and characterization of rat testicular — (Vanha-Perttula), 227 (1971) 390
- Aconitate hydratase isoenzymes
Separation and characterization of — from pig tissues (Eanes, Kun), 227 (1971) 204
- Acyl phosphatase
Purification and properties of — from heart muscle. Comparative properties of acyl phosphatase from several sources (Diederich, Grisolia), 227 (1971) 192
- Adenosine 3',5'-cyclic phosphate phosphodiesterase — of corpus luteum (Stansfield et al.), 227 (1971) 413
- Alcohol dehydrogenase
Mitochondrial — from *Saccharomyces cerevisiae* (Wenger, Bernofsky), 227 (1971) 479
- Aldolase B
Isolation of crystalline pig kidney — (Aларcon et al.), 227 (1971) 460
- L-Amino acid oxidase
—, II. Deuterium isotope effects and the action mechanism for the reduction of L-amino acid oxidase by L-leucine (Page, VanEtten), 227 (1971) 16
- δ -Aminolevulinic acid dehydratase
— of *Mycobacterium phlei* (Yamasaki, Moriyama), 227 (1971) 698
- Aminotransferase
Branched-chain amino-acid — of *Salmonella typhimurium*. I. Crystallization and preliminary characterization (Coleman, Armstrong), 227 (1971) 56
- Amylomaltase
Studies on —, II. Molecular constants and activity of the enzyme (Häselbarth et al.), 227 (1971) 296
- Amylomaltase
Studies on —, III. Kinetic analysis of the reaction mechanism (Schwinn, Schulz), 227 (1971) 313
- Arylsulphatases
Type II — of the red kangaroo (Roy), 227 (1971) 129
- Ascites hepatoma cells
Studies on particle-bound hexokinase in rat — (Saito, Sato), 227 (1971) 344
- Ascorbate
Bovine adrenal glucose-6-phosphate dehydrogenase. III. Control of the activity by —, substrates, and hydrophobic molecules (Schachet, Squire), 227 (1971) 491
- Asparaginase
Amino acid residues in — (*Escherichia coli* HAP) associated with its enzymic activity (Nishimura et al.), 227 (1971) 171
- ATPase
Fluorimetric assay method for the K^+ -phosphatase associated with the (Na^+ + K^+)-activated — (Pitts, Askari), 227 (1971) 453
- ATP-sulphurylase
Purification and properties of — from *Nitrobacter agilis* (Varma, Nicholas), 227 (1971) 373
- Butyrylcholinesterase
Conductivity method in the study of enzyme reactions. — (Hanss, Rey), 227 (1971) 618
- L-Canaline
Inhibition of pyridoxal enzymes by — (Rahiala et al.), 227 (1971) 337
- p-Chlorophenylalanine
Mechanism of inhibition of hydroxylases in vivo by —: The effect of cycloheximide (Gál, Millard), 227 (1971) 32
- Cholinesterase
Inhibition of — by organophosphorous compounds in the presence of substrate (De Jong et al.), 227 (1971) 475
- Collagenases
Preparation and properties of — from epithelium and mesenchyme of healing mammalian wounds (Donoff et al.), 227 (1971) 639
- Cycloheximide
Mechanism of inhibition of hydroxylases in vivo by p-chlorophenylalanine: The effect of —, (Gál, Millard), 227 (1971) 32
- β -Cystathionase
Transsulphuration in higher plants: Partial purification and properties of — of spinach (Giovannelli, Mudd), 227 (1971) 654
- β -Cystathionase
Mechanism of inhibition of spinach — by rhizobitoxine (Giovannelli et al.), 227 (1971) 671
- 3-Deoxy-D-arabino-heptulosonate 7-phosphate synthase isoenzymes
Properties of the — from mutant strains of *Neurospora crassa* (Halsall et al.), 227

- (1971) 464
Dihydroorotase
Purification and properties of — from *Escherichia coli* B (Sander, Heeb), 227 (1971) 442
2,3-Diphosphoglycerate phosphatase
Studies on a role of the — activity in the yeast phosphoglycerate mutase reaction (Sasaki et al.), 227 (1971) 595
DNA polymerase
Inhibition of *Escherichia coli* — by monovalent cations (Bishop Jr., Gill), 227 (1971) 97
Epoxide hydrazase
Radiometric assay for hepatic — activity with [7-³H]styrene oxide (Oesch et al.), 227 (1971) 685
Epoxide hydrazase
Solubilization, purification, and properties of a hepatic — (Oesch, Daly), 227 (1971) 692
Esterase
Ontogeny, heterogeneity, and molecular weight interrelationships of the — and lactate dehydrogenase isoenzymes in the green turtle (Kingsbury, Masters), 227 (1971) 1
Fructokinase
— from rat liver. I. Purification and properties (Sánchez et al.), 227 (1971) 67
Fructokinase
— from rat liver. II. The role of K⁺ on the enzyme activity (Sánchez et al.), 227 (1971) 67
Fructose-1,6-diphosphate aldolase
Properties of — from two thermophilic and a mesophilic *Clostridia* (Barnes et al.), 227 (1971) 199
 β -Galactosidase
Characterization, isolation and properties of thyroid glucosidases: —, β -N-acetylglucosaminidase and α -mannosidase (Chabaud et al.), 227 (1971) 154
Galactosyltransferases
Further characterization of the — in chick cartilage (Helting), 227 (1971) 42
Glucose-6-phosphate dehydrogenase
Bovine adrenal —. III. Control of the activity by ascorbate, substrates, and hydrophobic molecules (Schachet, Squire), 227 (1971) 491
 β -Glucosidase
Purification and properties of extracellular — from *Botryodiplodia theobromae* (Umezurike), 227 (1971) 419
Glutamate dehydrogenase
Regulation of — by histidine (Yamaguchi), 227 (1971) 241
Glyceride hydrolyzing enzymes
Characterization of two mono — in rat adipose tissue (Katocs Jr. et al.), 227 (1971) 608
Glycolic acid oxidase
Effect of anions on the catalytic activity of pig liver — (Schuman, Massey), 227 (1971) 521
Glycolic acid oxidase
Purification and characterization of — from pig liver (Schuman, Massey), 227 (1971) 500
Hexokinase
Studies on particle-bound — in rat ascites hepatoma cells (Saito, Sato), 227 (1971) 344
Histidine
Regulation of glutamate dehydrogenase by — (Yamaguchi), 227 (1971) 241
Hydrogenase
Purification and properties of —, an iron sulphur protein, from *Clostridium pasteurianum* W5 (Nakos, Mortenson), 227 (1971) 576
Hydroxylases
Mechanism of inhibition of — in vivo by p-chlorophenylalanine: The effect of cycloheximide (Gál, Millard), 227 (1971) 32
Hydroxyproline biosynthesis
— in plant cells: Peptidyl proline hydroxylase from carrot disks (Sadava, Chrispeels), 227 (1971) 278
Indole-3-acetic acid
Studies on peroxidase isolated from etiolated Alaska pea seedlings. III. Effect of quercetin on the oxidation of — (Sano), 337 (1971) 565
Inosine-5'-phosphate dehydrogenase
Studies on — of *Bacillus subtilis*: Purification and general properties (Yokosawa et al.), 227 (1971) 538
Lactate dehydrogenase isoenzymes
Ontogeny, heterogeneity, and molecular weight interrelationships of the esterase and — in the green turtle (Kingsbury, Masters), 227 (1971) 1
Lipase
Acid — of castor beans. Positional specificity and reaction mechanism (Noma, Borgström), 227 (1971) 106
Lipoamide dehydrogenase
Microbial —: Purification and some characteristics of the enzyme derived from selected microorganisms (Scouten, McManus), 227 (1971) 248
 α -Mannosidase
Characterization, isolation and properties of thyroid glucosidases: β -Galactosidase, β -N-acetylglucosaminidase and — (Chabaud et al.), 227 (1971) 154
Membrane marker enzymes
—: Isolation, purification and properties of 5'-nucleotidase from rat cerebellum (Bosmann, Pike), 227 (1971) 402
Neuraminidases
Studies on the soluble and lysosomal — of rat mammary glands (Tulsiani, Carubelli), 227 (1971) 139
Nisin-inactivating enzyme
Partial purification, specificity and mechanism of action of the — from *Bacillus cereus* (Jarvis, Farr), 227 (1971) 232

- Nitrate reductase
— of *Chlorella pyrenoidosa* (Vennesland, Jetschmann), 227 (1971) 554
- Nitrobacter agilis
Purification and properties of ATP-sulphurylase from — (Varma, Nicholas), 227 (1971) 373
- 5'-Nucleotidase
Membrane marker enzymes: Isolation, purification and properties of — from rat cerebellum (Bosmann, Pike), 227 (1971) 402
- Oxidase
Effect of anions on the catalytic activity of pig liver glycolic acid — (Schuman, Massey), 227 (1971) 521
- Oxidase
Purification and characterization of glycolic acid — from pig liver (Schuman, Massey), 227 (1971) 500
- Peptidyl proline hydroxylase
Hydroxyproline biosynthesis in plant cells: — from carrot disks (Sadava, Chrispeels), 227 (1971) 278
- Peroxidase
Studies on — isolated from etiolated Alaska pea seedlings. III. Effect of quercetin on the oxidation of indole-3-acetic acid (Sano), 227 (1971) 565
- Phosphatases
Chromatographic fractionation and characterization of rat testicular acid — (Vanha-Perttula), 227 (1971) 390
- Phosphatase
Purification and properties of acyl — from heart muscle. Comparative properties of acyl phosphatase from several sources (Diederich, Grisolia), 227 (1971) 192
- Phosphatase
Studies on a role of the 2,3-diphosphoglycerate — activity in the yeast phosphoglycerate mutase reaction (Sasaki et al.), 227 (1971) 595
- Phosphofructokinase
— in rat jejunal mucosa: Subcellular distribution, isolation, and characterization (Ho, Anderson), 227 (1971) 354
- Phosphoglycerate mutase
Studies on the active site of yeast — (Sasaki et al.), 227 (1971) 584
- Phosphoglycerate mutase
Studies on a role of the 2,3-diphosphoglycerate phosphatase activity in the yeast — reaction (Sasaki et al.), 227 (1971) 595
- Phospholipase A
Zymogen of — in human pancreatic juice (Figarella), 227 (1971) 213
- 'Phospholipase D'
Identification and characterization of a new enzyme of the group — isolated from *Corynebacterium ovis* (Souček et al.), 227 (1971) 116
- Phosphoribosyladenosine triphosphate synthetase
Sedimentation behaviour of —. Effects of substrates and modifiers (Klungsöyr, Kryvi), 227 (1971) 327
- Porphobilinogen deaminase-uroporphyrinogen III cosynthetase
Porphyrin biosynthesis. VIII. Avian erythrocyte —, its purification, properties and separation of its components (Llambias, Batlle), 227 (1971) 180
- Porphyrin biosynthesis
—, VIII. Avian erythrocyte porphobilinogen deaminase-uroporphyrinogen III cosynthetase, its purification, properties and separation of its components (Llambias, Batlle), 227 (1971) 180
- Potassium-phosphatase
Fluorimetric assay method for the — associated with the (Na^+ + K^+)-activated ATPase (Pitts, Askari), 227 (1971) 453
- Pyridoxal enzymes
Inhibition of — by L-canaline (Rahiala et al.), 227 (1971) 337
- Pyruvate kinase
Human erythrocyte —. Its purification and some properties (Staal et al.), 227 (1971) 86
- Pyruvate kinase
Purification and properties of — in normal and in pyruvate kinase deficient human red blood cells (Blume et al.), 227 (1971) 364
- Quercetin
Studies on peroxidase isolated from etiolated Alaska pea seedlings. III. Effect of — on the oxidation of indole-3-acetic acid (Sano), 227 (1971) 565
- Rhizobitoxine
Mechanism of inhibition of spinach β -cystathionase by — (Giovannelli et al.), 227 (1971) 671
- Salmonella typhimurium
Branched-chain amino-acid aminotransferase of —, I. Crystallization and preliminary characterization (Coleman, Armstrong), 227 (1971) 56
- L-Serine transacetylase
Purification and characterization of — and O-acetyl-L-serine sulphydrylase from kidney bean seedlings (*Phaseolus vulgaris*) (Smith, Thompson), 227 (1971) 288
- (Sodium + potassium)-activated ATPase
Fluorimetric assay method for the K^+ -phosphatase associated with the — (Pitts, Askari), 227 (1971) 453
- [7- ^3H]Styrene oxide
Radiometric assay for hepatic epoxide hydrolase activity with — (Oesch et al.), 227 (1971) 685
- Succinate dehydrogenase
Inactivation of — by bromopyruvate (Sanborn et al.), 227 (1971) 219
- Thymine 7-hydroxylase
Studies pertaining to the purification and properties of — (McCroskey et al.), 227 (1971) 264
- Transsulphuration
— in higher plants: Partial purification and properties of β -cystathionase of spinach

- (Giovanelli, Mudd), 227 (1971) 654
- Urease
- Conductivity method in the study of enzyme reactions. The urea- — system
- (Hanss, Rey), 227 (1971) 630
- Urease inhibition
- Effect of acyl residues of hydroxamic acids on — (Kobashi et al.), 227 (1971) 429