INFORMATION FOR AUTHORS

REVIEW
Uremic Toxins, and Their Effect on Intermediary Metabolism

Michael R. Willis

ARTICLES

Optimized Conditions for Determining Activity Concentration of α-Amylase in Serum, with 1,4-α-D-4-Nitrophenylmaltoheptaoside as Substrate

Elli Rauscher, Ulrich Neumann, Eugen Schacht, Sabine von Bülow, and August W. Wahlefeld

Ultrafiltration Studies in Vitro of Serum Aluminum in Dialysis Patients after Deferoxamine Chelation Therapy

Fred Y. Leung, Anthony B. Hodson, Norman Muirhead, and A. Ralph Henderson

Measurement of Aluminum in Serum, Blood, Urine, and Tissues of Chronic Hemodialyzed Patients by Use of Electrothermal Atomic Absorption Spectrometry

Patrick C. D’Haese, Frank L. Van de Vyver, Frederik A. de Wolff, Marc E. De Broe

A Compound from Uremic Plasma and from Normal Urine Isolated by Liquid Chromatography and Identified by Nuclear Magnetic Resonance

P. Gallice, J. P. Monti, A. Crevat, C. Durand, and A. Murisasco

Kinetic Determination of Blood Coagulation Factor XIII in Plasma

László Muszbek, János Polgár, and László Fésüs

Enzyme–Antigen Immunoassay for Human Placental Alkaline Phosphatase in Serum and Tissue Extracts, and Its Application as a Tumor Marker

Dirk E. Pollet, Etienne J. Nouwen, Jacques B. Schelstraete, Jean Renard, Andre Van de Voorde, and Marc E. De Broe

Pregnanediol-3α-Glucuronide Measured in Diluted Urine by Mass Spectrometry with Fast Atom Bombardment/Negative-Ion Ionization

G. Moneti, G. Agati, M. G. Giovannini, M. Pazzaglia, R. Salerno, G. Messeri, and M. Serio

Direct Measurement of Antigens in Serum by Time-Resolved Fluorimunoassay

J. E. Kuo, K. H. Milby, W. D. Hinsberg, III, P. R. Poole, V. L. McGuffin, and R. N. Zare

Highly Sensitive Solid-Phase Immunoenzymometric Assay for Placental and Placental-Like Alkaline Phosphatases with a Monoclonal Antibody and Monodisperse Polymer Particles

Jose Luis Millan, Kjell Nustad, and Bent Nørgaard-Pedersen

Equilibrium Dialysis, Ultrafiltration, and Ultracentrifugation Compared for Determining the Plasma-Protein-Binding Characteristics of Valproic Acid

Jérôme Barré, Jean Marie Chamouard, Georges Houin, and Jean Paul Tillement

Zinc Content of Cellular Components of Blood: Methods for Cell Separation and Analysis Evaluated

David B. Milne, Nick V. C. Ralston, and James C. Wallwork

Efficiency in the Diagnosis of Acute Pancreatitis increased by Improved Electrophoresis of Amylase Isoenzyme P, on Cellulose Acetate

Thomas H. Massey

Analytical and Clinical Evaluation of a Radioimmunoassay for Gastrin

Göran Lindstedt, Lars Olbe, Anders F. Kihlmand, Ulrich Armbrrecht, Rudolf Jagenburg, Donald Runsteen, and Per-Arne Lundberg

continued on next page
Variance Estimates and Individuality Ratios of 25 Serum Constituents in Beagles

Nancy Leissing, Rodger Izzo, and
Harold Sargent 83

SCIENTIFIC NOTES

Performance of Five Thyroid-Function Tests by Radioimmunoassays with Antibodies Attached to Paramagnetic Micro-Particles

Ronald H. Ng, Anne Porter, Mary Leddy, and Bernard E. Statland 87

New Test for Urinary Glucose (BM33071) Evaluated

David L. Smalley and Mary E. Bradley 90

Indican Interference with Six Commercial Procedures for Measuring Total Bilirubin

R. Poon and I. H. Hinberg 92

Four Methods for Determining Total Protein Compared by Using Purified Protein Fractions from Human Serum

H. Harold Nishi, Jane Kestner, and Ronald J. Elin 95

Thromboplastic Activity of Cerebrospinal Fluid in Neurological Disease

J. A. Tuturirma, E. A. H. Hische, L. van Totsenberg, and H. J. van der Helm 99

Multicenter Evaluation of Assays for Estradiol and Progesterone in Saliva


Simple, Rapid Determination of Serum Guanase Activity with the Hitachi 736 Automated Discrete Analyzer

Yoko Nishikawa, Koichi Fukumoto, and Fukuko Watanabe 103

Alternative Statistical Approach to Evaluating Interlaboratory Performance

Sharon S. Ehrmeyer and Ronald H. Laessig 106

Simultaneous Determination of Uric Acid and Creatinine in Plasma by Reversed-Phase Liquid Chromatography

Azzedine Zirhi, Odile Houot, Maria Wellman-Bednawska, and Gérard Siest 109

Rapid Separation and Identification of Myoglobin and Hemoglobin in Urine by Centrifugation through a Microconcentrator Membrane

Michael J. Kelner and Nicholas M. Alexander 112

Effect of Temperature on Quantifying Gylcated (Glyceylated) Hemoglobin by Cation-Exchange Chromatography

Rudolf Flückiger and Thomas Woodtt 114

Improved 125I Radioimmunoassay for Cotinine by Selective Removal of Bridge Antibodies

George J. Knight, Phillip Wylie, Mary S. Holman, and James E. Haddow 118

Pittfall In, and New Methods for the Radioimmunoassay for Digoxin in Urine

Mark S. O'Brien, James R. Huston, Randall J. Reid, and Thomas P. Gibson 122

Improved Determination of Estriol-16α-Glucuronide in Pregnancy Urine by Direct Liquid Chromatography with Fluorescence Detection

Franca Andreolini, Claudio Borra, Antonio Di Corcia, Roberto Samperi, and Gianmarco Raponi 124

Liquid-Chromatographic Study of Fluorescent Compounds in Hermodilyase Solutions

Audrey L. Barnett and Hans Veening 127

Assay of Total and Free Propranolol in Plasma by Liquid Chromatography with Fluorometric Detection

Krishna Ray, William G. Trawick, and Richard E. Mullins 131

Determination of Plasma β-Endorphin and β-Lipotropin by Cation-Exchange Liquid Chromatography and Radioimmunoassay

T. Laatikainen, K. Salminen, U.-H. Stenman, and J. Leppälähuoto 134

Continuous-Flow Analysis for Glucose with Use of Glucose Dehydrogenase Immobilized in Glass Tubes

Emmanuel Biséé, André Scholer, and Dieter J. Vonderschmitt 137

Determination of Serum Aparpentin Aminotransferase with Pyridoxal 5'-Phosphate in the Technicon SMAc and Du Pont ace Compared and Correlated with the IFCC Recommended Method

William E. Neeley, Kathleen O’Clasen, and Mary Gruber 139

Radioimmunoassay for 1,25-Dihydroxyvitamin D in Serum or Plasma

A. P. De Leenheer and R. M. Bauwens 142

continued on next page