**REVIEW**

**Immunological Assays of Apolipoproteins in Plasma: Methods and Instrumentation**

C. Labeur, J. Shepherd, and M. Rosseneu

**ARTICLES**

**An Enzyme Immunoassay for Galactosyltransferase Isoenzyme II, and Its Clinical Application to Cancer Diagnosis**

Morito Uemura, Masahiko Yamasaki, Shinya Yoshida, Taka Uezima, Takashi Sakaguchi, and Kenichiro Okaniwa

**Investigation of interference by Non-steroidal Anti-Inflammatory Drugs in Urine Tests for Abused Drugs**

Douglas E. Rollins, Thomas A. Jennison, and Graham Jones

**Determination of Carbamylated Hemoglobin by High-Performance Liquid Chromatography**

Jonathan T. C. Kwan, Edwin C. Carr, Michael R. Bending, and Jeffrey L. Barron

**In Vitro and In Vivo Effects of Increased Concentrations of Free Fatty Acids on Free Thyroxin Measurements as Determined by Five Assays**

Rémy Sapin, Jean Louis Schlienger, Fabienne Grunenberger, Françoise Gasser, and Jacques Chambiron

**Measuring Free Thyroxin by Using Magnetic Antibody-Containing Microcapsules**

A. M. Wallace, S. Aitken, F. A. Duffy, W. D. Fraser, and G. H. Beastall

**Thyrotoxic Atrial Fibrillation: an Under-diagnosed or Overdiagnosed Condition?**

BJörn Fagerberg, Göran Lindstedt, Sven Olof Strömblad, Börje Darpö, Ernst Nyström, Lars Sjöström, Per-Arne Lundberg, and S. Bertil Olsson

**Blood Cholesterol Concentration: Fingertip Plasma vs Venous Serum Sampling**

Philip Greenland, Nancy L. Bowley, Barbara Meiklejohn, Kathryn L. Doane, and Charles E. Sparks

**Effects of 3-Deoxyglucosone on the Maillard Reaction**

Naoya Igaki, Makoto Sakai, Humihiko Hata, Munetada Oimomi, Shigeaki Baba, and Hiromichi Kato

**Serum Carbonic Anhydrase III and Myoglobin Concentrations in Acute Myocardial Infarction**

H. Kalervo Väätänen, Hannu Syrjälä, Paavo Rahkila, Juhani Vuori, Lisa M. Melamies, Vilho Myllylä, and Timo E. S. Takala
S-100a0 Protein in Serum during Acute Myocardial Infarction

Urinary Hydroxyproline in Infants with and without Fractures/Rickets

Direct and Indirect Techniques for Free Thyroxin Compared in Patients with Nonthyroidal Illness III. Analysis of Interference Variables by Stepwise Regression

Human Chorlogonadotropin (hCG): Comparisons between Determinations of Intact hCG, Free hCG β-Subunit, and "Total" hCG + β in Serum during the First Half of High-Risk Pregnancy

SCIENTIFIC NOTES

Specificities Compared for a Radioreceptor Assay and a Radioimmunoassay of Atrial Natriuretic Peptide

Improved Method of Analysis for Aluminium in Brain Tissue

Competitive Heterogeneous Enzyme Immunoassay for Theophylline by Flow-Injection Analysis with Electrochemical Detection of β-Aminophenol

Polyclonal Antibody-Based Enzyme-Linked Immunosorbent Assay of α1-Acid Glycoprotein

Dichlorobenzoquinone Chlorolimine Colorimetry of Uric Acid in Urine

A Validation Study of Selected Methods Routinely Used for Measurement of Cyclosporine

Use of Free and Transthyretin-Bound Retinol-Binding Protein in Serum as Tests of Vitamin A Status in Humans: Effect of High Creatinine Concentrations in Serum

Biological Factors Affecting Concentrations of Serum LpAI Lipoprotein Particles in Serum, and Determination of Reference Limits

Retention of Antimony in Skin Biopsies of Leishmaniasis Patients after Treatment with N-Methylglucamine Antimoniate

Akihiko Usui, Kanefusa Kato, Hiromi Sasa, Kazue Mineguchi, Toshio Abe, Mituya Murase, Minoru Tanaka, and Eiji Takeuchi

Winston W. K. Koo, Susan K. Krug Wispe, Paul Succop, Alice Champlin, Roberta Sherman, and Helen Berry

Gyorgy Csako, Mark H. Zweig, Mark Ruddel, Janice Glickman, and Jane Kestner

C. M. G. Thomas, F. J. L. Reijnders, M. F. G. Segers, W. H. Doesburg, and R. Rolland

Stephen J. Capper, Stephen W. Smith, Christine A. Spensley, and John G. Whateley

Michiel F. van Ginkel, Gilsbert B. van der Voet, and Frederik A. de Wolff

E. Pinilla Gil, Hua T. Tang, H. Brian Halsall, William R. Heineman, and A. Sanchez Misiego

Béatrice Tissot, Nathalie Seta, Geneviève Durand, and Jeanne Feger

Peter Miller and Victor Oberholzer

Kenneth E. Blick, Sameh H. Melouk, Henry D. Fry, and Ronald L. Gillum

Betty J. Burri, Daniel D. Bankson, and Terry R. Neldinger

Josiane Steinmetz, Ala Choukalfe, Sophia Visvikis, Joseph Henny, and Gérard Siest

Jose G. Dorea, Edgar Merchan-Hamann, Douglas E. Ryan, and Jiri Holzbecher

continued on next page
Measurement of Pepainogen Group I in Endoscopic Gastroduodenal Biopsies

Mario Plebeni, Francesco Di Mario, Pier Luigi Dal Santo, Diego Faggian, Bastianello Germana, Fabio Vianello, Remo Naccarato, and Angelo Burlina

Effect of Isoenzyme Composition on Kodal Ektachem Test Results for Creatine Kinase, Lactate Dehydrogenase, Alkaline Phosphatase, and Amylase

Frans K. Gorus and Linda De Pree

New Automated Measurement of Mitochondrial Aspartate Aminotransferase with Use of Protease 401

Yoshifumi Watazu, Yoshinori Uji, Hiroyuki Sugiuichi, Hiroaki Okabe, and Sawao Murao

CASE CONFERENCE

Grand Rounds at Sahlgren's Hospital: Chronic Abdominal Pain in a Middle-Aged Woman—Psychoesomatic Disorder or Identifiable Somatic Disease?

Tor Ekman, Hasse Abrahamsson, Rolf Gillberg, Anders Kilander, Göran Lindstedt, Anders Norström, and Ernst Nyström

TECHNICAL BRIEFS

Cystic Fibrosis Deletion Mutation Detected by PCR-Mediated Site-Directed Mutagenesis

Kenneth J. Friedman, William E. Highsmith, Jr., Thomas W. Prior, Tenly R. Perry, and Lawrence M. Silverman

Carbonic Anhydrase III as a Serum Marker for Diagnosis of Rhabdomyolysis

H. Syrjälä, J. Vuori, K. Huttunen, and H. K. Väänänen

The Stratus Automated Immunofluorometric Assay System: a Modification for Measuring Urinary Human Chorionicgonadotropin

R. J. van den Berg, M. F. G. Segers, and C. M. G. Thomas

Rapid, Automated Enzyme Immunoassay for Folllitropin with the Abbott IMX™ Analyzer

C. H. Keller, P. Fries, E. Kline, K. Neider, P. Doles, and E. A. Ogunro

Fibrinogen Determination by Five Methods in Patients Receiving Streptokinase Therapy

Zorana Jelić-Ivanović and Nada Pevčević

Determination of Albumin-Bound Thryoxin in Serum

A. Belgorosky and M. A. Rivarola

LETTERS

Fundamental Problem with Assays of Apolipoprotein A-I

Stanley S. Levinson

Apolipoprotein A-I Concentrations in Serum: a Pragmatic Approach to Assessing Risk of Heart Disease

Ugo Lippi, Donatella Bertolini, and Maria Stella Graziani

Graphic Representation of Reference Intervals

Nicolay A. Atanasov

Automated Analysis for Urinary Protein by Pyrogelol Red-Molybdate Method

Huub E. van Ingen

CLIN. CHEM. 36, No.4, 1990 5A
Measurement of Zinc Protoporphyrin with the ProtoFluor-Z System

Digoxin-like Immunoreactivity Detected in Cerebrospinal Fluid of Humans with Fever

Transient Hyperglycinemia after Transurethral Surgery: Are Metabolites of Glycine Significant?

Concentrations of Neopterin and Biopetin in Serum from Patients with Rheumatoid Arthritis or Systemic Lupus Erythematosus and in Synovial Fluid from Patients with Rheumatoid or Osteoarthritis

7S Monoclonal IgM in Quantitative Systems

Lactate Dehydrogenase Isoenzyme 1 Activity in Sera of Patients with Ovarian Cancer

THE CLINICAL CHEMIST