ARTICLES

Direct Potentiometric Determination of Sodium Ion in Blood. I. Potentiometric Response in Simple Sodium Chloride Solutions
Peter Bijster and Kees L.J. Vink

Rapid Loss of Lactate Dehydrogenase Isoenzyme Activity in Serum by Cold-Induced Formation of Immunoglobulin G-Lactate Dehydrogenase Complex
Gary G. Wickus and Martin J. Smith

Sampling from a Skewed Population Distribution As Exemplified by Estimation of the Creatine Kinase Upper Reference Limit
W. Greg Miller, Vernon M. Chinchilli, Hanns-Dieter Gruemer, and Walter E. Nance

Kinetics of Enzymatic O-Methylation: Its Value in Assays for Catecholamines in Plasma
Licister Mason and Cyril Weinkove

Effect of Sample Dilution on Measurements of Free (Unbound) Hormones
D. Joe Boone, Patricia H. Duncan, Mary Louise MacNeil, Barnett F. Smith, Barbara Houston, and Thomas L. Hearn

Myoglobin Concentration, Creatine Kinase Activity, and Creatine Kinase B Subunit Concentrations in Serum during Thyroid Disease
Abdul Iatif Al-Shawi, Anne Dawney, and John Landon

Clinical Significance and Partial Biochemical Characterization of Lactate Dehydrogenase Isoenzyme 6

Transient Creatine Kinase-BB Activity in Serum or Plasma after Cardiac or Respiratory Arrest
Thomas H. Massey and Mikell R. Goe

Simultaneous Determination of 25-Hydroxy and 1,25-Dihydroxyvitamin D from a Single Sample by Dual-Cartridge Extraction
Pai C. Kao and Don W. Heser

Amylase from Human Serous Ovarian Tumors: Purification and Characterization
Jack J. Zakowski, Martha R. Gregory, and David E. Bruns

On the Interpretation of Serial Laboratory Measurements in Acute Myocardial Infarction
Adelbert Albert, Eugene K. Harris, Jean-Paul Chapelle, Camille Heusghem, and Henri E. Kubertus

Determination of Enteroglucagon in Plasma for Detection of Celiac Disease in Children
Anders F. Kilander, Lars Stenhamaar, Göran Lindstedt, and Per-Arne Lundberg

Differences in Radioimmunoassay Results for Thyroglobulin That Affect Management of Patients with Thyroid Cancer
Monika F. Bayer and I. Ross McDougall

Use of Monoclonal Antibodies in an Enzyme Immunoassay for Factor VIII-Related Antigen
Linda A. Bradley, Eduardo L. Franco, and Howard M. Reisner

Development of a Reference Material for Alkaline Phosphatase
Patricia H. Duncan, Sarah S. McKeenly, Mary Louise MacNeil, Douglas M. Fast, and David D. Bayse

continued on next page
Noncompetitive Enzyme-Linked Immunoassay for Apolipoprotein B in Serum

Stabilities of Some Constituents of Marmoset (Callithrix jacchus) Plasma under Various Conditions of Storage

PROPOSED SELECTED METHOD

Antiepileptic Agents—Primidine, Phenobarbital, Phenytoin, and Carbamazepine by Reversed-Phase Liquid Chromatography

SCIENTIFIC NOTES

Two Commercial Methods Evaluated for Eliminating the Labile Fraction from the Assay for Glycated Hemoglobin (Glycohemoglobin)

Pyruvate Kinase Isoenzymes in Human Serum

Freeze/Thaw Stability of Transferrin, and Reference Values Obtained With Kinetic Nephelometry

Sex-Dependent Relation between Ionized Calcium in Serum and Blood Pressure

A Rapid Method for Repurifying Partly Degraded Radiolabeled Steroids

Serivary Estriol Concentrations during Normal Pregnancies, and a Comparison with Plasma Estriol

An Improved Micro-Scale Liquid-Chromatographic Assay for Piperacillin in Plasma and Urine

A Screening Method for Biotinidase Deficiency in Newborns

Comparison of the Du Pont ace and Dow Methods for Determination of High-Density Lipoprotein Cholesterol

Liquid and Lyophilized Quality-Control Materials Compared for Use in Continuous-Flow Analysis

Simplified Determination of Serotonin in Plasma by Liquid Chromatography with Electrochemical Detection

Simultaneous On-Line Measurement of Blood K+, Ca2+, Na+, and pH with a Four-Function ChemFET Integrated-Circuit Sensor

Clinical Usefulness of Estriol Assay for Predicting "Light-for-Date" Infants

Improved Liquid-Chromatographic Determination of 3-Methoxy-4-hydroxyphenylethylenglycol in Urine with Electrochemical Detection

Influence of Substrate Concentration on the Activation of Transketolase, Aspartate Aminotransferase, and Glutathione Reductase by Coenzymes

Long-Term Retrospective Control Procedures for Monitoring Analytical Performance of Laboratory Instruments

Enzyme-Linked Immunosorbent Assay of Retinol-Binding Protein in Serum and Urine

C. Fievet, M. Koffigian, D. Ouvry, S. Marcovina, Y. Moschetta, and J.C. Fruchtart

Colin W. Davy, Michael R. Jackson, and John M. Walker

Benjamin Gerson, Frances Bell, and Sum Chau

David M. Nathan, Barbara S. Dunn, and Thomas B. Francis

Julie-Lani Ngo, Kirk N. Garratt, Pamela Eversole, Robert A. Orlando, and Kenneth H. Ibsen

L. Stoddard, W. Dennis, R.M. Parvin, and O.W. van Assendelft

Niels Fogh-Andersen, Lisbeth Hedegaard, Jørgen Thode, and Otte Siggaard-Andersen

M.J. Jawad, Emery A. Wilson, and Michael W. Vernon

J.J. Evans, A.R. Wilkinson, and D.R. Ackin

Donald Jung and Narender K. Mahajan

Gregory S. Heard, Julie R. Secor McVoy, and Barry Wolf

Nadja N. Rehak, Ronald J. Elin, Ruth Chester, and Ernestine Johnson

Ronald J. Elin and Betty A. Gray

Philip C. Tagari, David J. Boullin, and Cledwyn L. Davies

A. Sibbald, A.K. Covington, and R.F. Carter

J.J. Evans, A.R. Wilkinson, and D.R. Ackin

James R. Shipke, John Savory, and Michael R. Wills

J.C.M. Hafkenscheid and C.M.C.E. van Dijk

Maria Luisa Gozzo, Giuliano Barbarei, Giuseppe Giocoli, Bruno Zappacosta, and Cecilia Zuppi

S. Lucertini, P. Valcavi, A. Mutti, and I. Franchini

continued on next page