CONTENTS

Effect of Corticosteroid Therapy on the Phagocytosis of Antibody-coated Platelets by Human Leukocytes

Robert I. Handin and Thomas P. Stossel 771

Platelet Transfusion Therapy. Optimal Donor Selection With a Combination of Lymphocytotoxicity and Platelet Fluorescence Tests ...A. Brand, A. van Leeuwen, J. G. Eernisse, and J. J. van Rood 781


B Lymphocyte Antigens in the Differential Diagnosis of Human Neoplasia ..................Marshall E. Kadin and Ronald J. Billing 813

Impact of Salvage Treatment on Initial Relapses in Patients With Hodgkin Disease, Stages I–III ..................Carol S. Portlock, Saul A. Rosenberg, Eli Glatstein, and Henry S. Kaplan 825


Chronologic Sequence in Appearance of Clinical and Laboratory Findings Characteristic of Chronic Myelocytic Leukemia

Nanao Kamada and Haruto Uchino 843

Infections in Hairy-Cell Leukemia ..................Emilio Bouza, Carmen Burgaleta, and David W. Golde 851

(Continued on following page)

Granulocyte Modulation of Endotoxin-stimulated Colony-stimulating Activity (CSA) Production ..................Tariq Mahmood and William A. Robinson 879

Inhibition in Vivo of Mouse Granulopoiesis by Cell-free Activity Derived From Human Polymorphonuclear Neutrophils Hal E. Broxmeyer 889

Platelet Support in Polysensitized Patients: Role of HLA Specificities and Crossmatch Testing for Donor Selection J. Gmür, A. von Felten, and P. Frick 903

Colony-stimulating Factors Active on Human Bone Marrow Cells From a Yoshida Sarcoma Cell Line ..................Tadao Ohno, Masatoshi Seki, and Mikio Shikita 911


Hereditary Nonspherocytic Hemolytic Anemia and Hexokinase Deficiency ..................E. Beutler, P. G. Dyment, and F. Matsumoto 935

Unified Hypothesis for the Origin of Aplastic Anemia and Periodic Hematopoiesis ..................Michael C. Mackey 941

Effects of Actinomycin D In Vivo on Murine Erythroid Stem Cells Kenneth S. Zuckerman, Richard Sullivan, and Peter J. Quesenberry 957

Isoelectric Focusing of Human Hemoglobin: Its Application to Screening, to the Characterization of 70 Variants, and to the Study of Modified Fractions of Normal Hemoglobins P. Basset, Y. Beuzard, M. C. Garel, and J. Rosa 971

Cation Permeability Alterations During Sickling: Relationship to Cation Composition and Cellular Hydration of Irreversibly Sickled Cells ..........Bertil E. Glader and David G. Nathan 983

Brief Communication: Congenital Hypoplastic Anemia (Diamond-Blackfan Syndrome) Terminating in Acute Myelogenous Leukemia Jeffrey S. Wasser, Robert Yolken, Denis R. Miller, and Louis Diamond 991

(Continued on following page)
(Continued from previous page)

SPECIAL DEPARTMENTS

Announcements ................................................................. 996
Erratum .............................................................................. 996
Information for Contributors ........................................... xxxiii
Advertisers’ Index ............................................................... xxxix

All manuscripts submitted for consideration for publication in BLOOD should be sent to:
Paul A. Marks, M.D., Editor
BLOOD
Columbia University College of Physicians and Surgeons
701 West 168th Street, New York, N.Y. 10032

Please note that a processing fee of $30.00 must accompany each manuscript submitted for consideration for publication in BLOOD.

DON'T READ THIS AD
(If you're not interested in RBC or WBC
osmotic fragility
or Platelet Aggregation)

In just 3½ minutes, the Fragiligraph records and measures the fragility of erythrocytes. In just 7 minutes, the Fragiligraph records and measures the fragility of leukocytes. Additionally, an adaptor is being made available which determines platelet aggregation—eliminating the need for a separate costly instrument for this procedure alone. All completely automatic, all measured in minutes, all read at a glance. And all in one instrument, the Fragiligraph.

In present use at an impressive array of clinical and research centers, the Fragiligraph is now recognized as a valued adjunct in such broad spectrum areas as: Blood Preservation and Survival, Pediatrics, Oncology; Radiation, Pressurization, Kidney Dialysis; Mechanical Trauma and Toxicological Studies, among others.

For elaborated details on the above, write to us and receive all 35 of the published current literature.

Unless you're not interested in rapid automated tests for RBC or WBC osmotic fragility. Or platelet aggregation. And haven't read this ad.

KALMEDIC INSTRUMENTS, INC.
857 Carnation Court
Los Altos, Ca. 94022
415-948-4114