CONTENTS

Review: Utilization of Monoclonal Antibodies in the Treatment of Leukemia and Lymphoma
Jerome Ritz and Stuart F. Schlossman 1

The Effect of Malonyldialdehyde on Erythrocyte Deformability ................................................. C. Pfafferott, H. J. Meiselman, and P. Hochstein 12

Release of Platelet-Activating Factor From HL-60 Human Leukemic Cells Following Macrophage-Like Differentiation ................................................. G. Camussi, F. Bussolino, F. Ghezzo, and L. Pogaroro 16

Specificity of Autoantibodies in Autoimmune Thrombocytopenia ................................................. E. F. van Leeuwen, J. Th. M. van der Ven, C. P. Engelfriet, and A. E. G. Kr. von dem Borne 23

Cyclic Neutropenia (CN): A Clue to the Control of Granulopoiesis ............................................. G. K. von Schulthess and N. A. Mazer 27

Cold-Induced Contact Surface Activation of the Prothrombin Time in Whole Blood
Richard N. Palmer and Harvey R. Gralnick 38

Ploidy and Proliferative Characteristics in Monoclonal Gammopathies ................................. Jean Latreille, Barthel Barlogie, Dennis Johnston, Benjamin Drewinko, and Raymond Alexanian 43

Cell Markers in Hairy Cell Leukemia Studied in Cells From 51 Patients ................................. Jan Jansen, Henrica R. E. Schuit, Chris J. L. M. Meijer, Janny A. van Nieuwkoop, and Willy Hijmans 52

Serologic Profile of Alphamethyldopa-Induced Hemolytic Anemia: Correlation Between Cell-Bound IgM and Hemolysis ................................................. P. Lalezari, J. E. Louie, and N. Fadlallah 61

Properties of Sulfatides in Factor-XII-Dependent Contact Activation ............................ Guido Tans and John H. Griffin 69

Primary Thrombocytopenia: Clonal Origin of Platelets, Erythrocytes, and Granulocytes in a GdB/GdMediterranean Subject ..................................... Gian Franco Gaetani, Anna Maria Ferraris, Silvano Galiano, Patrizia Giuntini, Letizia Canepa, and Michele d’Urso 76

Isolation and Structural Characterization of the Polypeptide Subunits of Membrane Glycoprotein Iib-IIla From Human Platelets ........ Rodger P. McEver, Jacques U. Baenziger, and Philip W. Majerus 80

Human Trophoblasts: Cellular Source of Colony-Stimulating Activity in Placental Tissue
Francis W. Ruscetti, Janice Y. Chou, and Robert C. Gallo 86

The Interaction of Fibrinogen With Human Platelets in a Plasma Milieu ..................... Gerard A. Marguerie, Nadine Thomas-Maison, Marie-José Larrieu, and Edward F. Plow 91

Translocation 4;11 in Acute Lymphoblastic Leukemia: Clinical Characteristics and Prognostic Significance ........ Diane C. Arthur, Clara D. Bloomfield, Lanna L. Lindquist, and Mark E. Nesbit, Jr. 96

Three Patients With Structurally Abnormal X Chromosomes, Each With Xq13 Breakpoints and a History of Idiopathic Acquired Sideroblastic Anemia ................................................. Gordon W. Dewald, Robert V. Pierre, and Robert L. Phyliky 100

(Continued on following page)
Peripheral Blood Blast Cell Progenitors in Human Preleukemia .......... J. S. Senn, H. A. Messner, P. H. Pinkerton, L. Chang, B. Nitsch, E. A. McCulloch, and the Toronto Area Preleukemia Study Group

A Screening Test for Assessing Iron Status ................. Jean Pintar, Barry S. Skikne, and James D. Cook

Mode of Action of the IgG Inhibitor of Erythropoiesis in Transient Erythroblastopenia of Childhood Emmanuel N. Dessypris, Sanford B. Krantz, James S. Roloff, and John N. Lukens

Granulocyte-Associated IgG in Neutropenic Disorders ...................... Douglas B. Cines, Frank Passero, DuPont Guerry IV, Mahin Bina, Betsy Dusak, and Alan Schreiber

Antibody-Dependent Cytolysis of the Human Leukemia Cell Line K-562 in the Absence of Effector Cells or Complement ................................ C. J. Wust, M. Green, Carmen B. Lozzio, and B. B. Lozzio

Factor(s) Responsible for the Increase in Alkaline Phosphatase Activity of Postmitotic Granulocytes From Normal Individuals and Patients With Chronic Myeloid Leukemia ...................... Noriharu Sato, Mayumi Mori, Mitsuo Oshimura, Yoshito Ueyama, Tetsuyoshi Miwa, Nakaaki Ohsawa, Kinori Kosaka, and Shigetaka Asano

Abnormal Autologous Mixed Lymphocyte Reaction in Autoimmune Thrombocytopenic Purpura Morton Zinberg, Tova Francus, Marc E. Weksler, Gregory W. Siskind, and Simon Karpatkin

A New Case of Deficiency of the R Binder for Cobalamin, With Observations on Minor Cobalamin-Binding Proteins in Serum and Saliva .................................................................................................................. Ralph Carmel


Use of a Radioimmunoassay to Quantify Thrombospondin ............ Stephen D. Saglio and Henry S. Slayter

Ability of Thrombocytes to Acquire HLA Specificity From Plasma.. Parviz Lalezari and Ann M. Driscoll

Cytologic Characterization and Significance of Normal Karyotypes in t(8;21) Acute Myeloblastic Leukemia ...................... Roland Berger, Alain Bernheim, Marie-Thérèse Daniel, Françoise Valensi, François Sigaux, and Georges Flandrin

Cyclic Hematopoiesis: Effects of Lithium on Colony-Forming Cells and Colony-Stimulating Activity in Grey Collie Dogs ......................................................... William P. Hammond and David C. Dale

CONCISE REPORTS

Inhibition of Bone Marrow Myeloid Precursor Cell Proliferation by Chemotactic Oligopeptides P. A. Mora, J. Valle, A. Salvado, and D. G. Wright

Expression of Ia-Like and HLA-A,B Antigens on Human Multipotential Hematopoietic Progenitor Cells John H. Fitchen, Carol Le Fevre, Soldano Ferrone, and Martin J. Cline


Human Platelet Surface Binding of Endogenous Secreted Factor VIII-von Willebrand Factor and Platelet Factor 4 ................................................................. James N. George and Adam R. Onofre

Gamma (Immune) Interferon Production by Leukocytes From a Patient With a T_<sub>6</sub> Cell Proliferative Disease ................. John J. Hooks, Barton F. Haynes, Barbara Detrick-Hooks, Louis F. Diehl, Theresa L. Gerrard, and Anthony S. Fauci

(Continued on following page)
The American Society of Hematology certifies that the continuing medical education offering provided by BLOOD, The Journal of the American Society of Hematology, meets the criteria for up to 22 hours of credit in Category 5(a) for the Physician's Recognition Award of the American Medical Association.

Please note that a processing fee of $50.00 must accompany each manuscript submitted for consideration for publication in BLOOD.

All manuscripts submitted for consideration for publication in BLOOD should be sent to: Paul A. Marks, M.D., Editor, BLOOD, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, N.Y. 10021

---

**Factor Deficient Human Plasma**

- **Substrate Quality**
- **Fresh Frozen**
- **Mono-Specific**

<table>
<thead>
<tr>
<th>Coagulation Deficiency</th>
<th>(Partial) Price List (F.O.B. Overland Park, Kansas)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Factor XI, XII</strong></td>
<td>In 5 ml Vials</td>
</tr>
<tr>
<td></td>
<td>10 ml — $ 50.00</td>
</tr>
<tr>
<td></td>
<td>25 ml — 115.00</td>
</tr>
<tr>
<td></td>
<td>50 ml — 220.00</td>
</tr>
<tr>
<td></td>
<td>100 ml — 400.00</td>
</tr>
<tr>
<td></td>
<td>In Bags</td>
</tr>
<tr>
<td></td>
<td>250 ml — $3.00 per ml</td>
</tr>
<tr>
<td></td>
<td>500 ml — 2.85 per ml</td>
</tr>
<tr>
<td></td>
<td>1000 ml — Special Quote</td>
</tr>
</tbody>
</table>

| Factor VIII             | In 5 ml Vials                                    |
|                         | 10 ml — $ 32.50                                  |
|                         | 25 ml — 70.00                                    |
|                         | 50 ml — 130.00                                   |
|                         | 100 ml — 240.00                                  |
|                         | In Bags                                          |
|                         | 250 ml — $1.65 per ml                            |
|                         | 500 ml — 1.50 per ml                             |
|                         | 1000 ml — Special Quote                         |

- All shipments are packed with dry ice in styrofoam boxes. (Handling Charge for orders under $200.00).
- Shipments within the United States are delivered within 24 hours.
- Plasma can be aliquoted to smaller amounts (1, 2, 3, 4 ml) at an additional charge of $.50 per vial.
- Special discount prices upon request for standing orders or large volumes.

Also available — • FACTORS I, II, V, VII, IX, X, XIII • FACTORS VIII or IX with inhibitor

Fletcher Trait • Von Willebrand • Passavoy Trait • Fitzgerald Trait

Normal Reference Human Plasma

*For Complete Details — Write or Call*

GEORGE KING BIO-MEDICAL, INC.,
9209 West 110 Street, Overland Park, KS 66210

Toll free 1-800-255-5108 Phone (913) 649-2272