

THE JOURNAL OF IMMUNOLOGY

*Official Journal of
The American Association of Immunologists*

Immunochemical Properties of Human γ A Isoagglutinin. II. The Effect of Reduction and Alkylation. KIMISHIGE ISHIZAKA, TERUKO ISHIZAKA AND EVELYN H. LEE..	771
The Immunoglobulins of Mice. VI. Response to Immunization. WERNER F. BARTH, CARLA L. McLAUGHLIN AND JOHN L. FAHEY	781
Synthesis of Components of Sendai Virus in the Presence of Proflavine. N. B. AZADOVA, L. V. URYVAYEV AND V. M. ZHDANOV	791
Synthetic Polypeptide Metabolism. I. The Metabolic Fate of Enantiomorphic Polymers. THOMAS J. GILL, III, DAVID S. PAPERMASTER AND JAMES F. MOWBRAY..	794
Synthetic Polypeptide Metabolism. II. The Binding of Synthetic Polypeptides to Serum Proteins. DAVID S. PAPERMASTER, THOMAS J. GILL, III AND W. FRENCH ANDERSON	804
Adenovirus-Antibody Agglutination Reactions. KENDALL O. SMITH, MELVIN TROUSDALE AND WARREN GEHLE	810
The Separation and Physicochemical Properties of the C and D Antigens of Coxsackievirus. LAURENCE H. FROMMHAEGEN	818
Immunochemical and Genetic Studies of Two Distinct γ G-Immunoglobulins in BALB/c Mice. SHELDON DRAY, MICHAEL POTTER AND ROSE LIEBERMAN	823
Attempts to Induce Early-Type ("Jones-Mote") Delayed Hypersensitivity in Mice. ALFRED J. CROWLE AND C. C. HU	834
A Study of Measles Virus Infection in Tissue Culture Cells with Particular Reference to the Development of Intranuclear Inclusion Bodies. RIZALINA LLANES-RODAS AND CHIEN LIU	840
Studies in Immunization. III. The Use of Beryllium as a Granuloma-Producing Agent in Freund's Adjuvant. JOHN E. SALVAGGIO, MARTIN H. FLAX AND SIDNEY LESKOWITZ	846
Properties of Papain-Digested Chicken 7 S γ -Globulin. GORDON DREESMAN AND ALBERT A. BENEDICT	855
Mast Cells and Local Resistance to Russell's Viper Venom. R. D. HIGGINBOTHAM ..	867
The Inhibitory Action of EDTA on Erythrocyte Agglutination by Lectins. MARVIN TUNIS	876
A Study of Phase Variation in <i>Coziella burneti</i> Employing Hemagglutination Tests. RICHARD F. BAKEMEIER	880
The Nature of Antibodies Synthesized during the Immune Response to <i>Leptospira biflexa</i> . N. D. HOCKER AND D. C. BAUER	887
Preparation of Antiserum to Enteroviruses in Large Animals. BETTYLEE HAMPIL, JOSEPH L. MELNICK, CRAIG WALLIS, RUSSELL W. BROWN, EDWARD T. BRAYE AND RAYMOND R. ADAMS, JR.	895
The Specificity and Interaction with Poliovirus of an Inhibitory Bovine Serum. JOSEPH S. PAGANO, RAYMOND V. GILDEN AND W. DAVID SEDWICK	909
Immunochemical Studies on Equine Antibodies to Human γ_2 -Globulin. PETER Z. ALLEN, SITTA S. SRRISINHA AND JOHN H. VAUGHAN	918
Accelerated Graft Rejection in the Offspring of Immunized Mothers. PETER STASTNY.	929

Continued on page 4

PUBLISHED MONTHLY BY
THE WILLIAMS & WILKINS COMPANY
BALTIMORE, U. S. A. 21202

COPYRIGHT ©, 1965, BY THE WILLIAMS & WILKINS COMPANY
Made in United States of America

Continued from front cover

- Partial Separation of Skin-Sensitizing Antibody from Antibodies Which Bind Antigens *in Vitro*. WILLIAM L. KOPP, RICHARD E. BILBO AND CHARLES E. REED 937
- Rejection of Allogeneic Skin Grafts and Production of Isohemagglutinins by Sensitized Mice after Sublethal Irradiation. MARVIN L. TYAN AND LEONARD J. COLE 945
- Immunoglobulins in the Skin of Allergic and Nonallergic Individuals. MATHEA ALLANSMITH AND DONALD BUELL 951
- Studies on Granuloma Formation. IV. *In Vivo* Antigenicity of Schistosome Egg Antigen in Lung Tissue. W. PETER PETERSON AND FRANZ VON LICHTENBERG 959
- A Micromanipulator-Based System for Immunologic Analyses with Microliter and Submicroliter Reactant Volumes. DAVID A. RINGLE AND BETTY L. HERNDON 966

Paul:**CELL AND TISSUE CULTURE, 3rd ed.**

The second edition of Dr. Paul's *Cell and Tissue Culture* has received widespread acclaim as the most complete, definitive, and up to date account of the techniques and applications of tissue culture available. Yet, the rapid developments in the field have necessitated still further revision. In his new edition the author has incorporated all recent accurate and noteworthy material. Because of increased interest in organ cultures and large-scale cell cultures, there is now a chapter devoted to each of these topics. Some sections have been rearranged in a more logical format with a view to emphasizing the basic similarities in methods used for a wide variety of materials. Some outdated matter has given way to new, and the bibliographies have been extensively revised.

"This little manual represents the most up-to-date and comprehensive survey now available of the methods used to maintain cells and tissues outside the parent body. In small compass it offers a mine of practical information, and it is particularly excellent in point of view . . . the style is direct, simple and clear—an excellent thing in science. No other text on tissue culture has so wide or such well-balanced coverage; much useful knowledge awaits the reader of this sustaining book."—*American Scientist* review of the 1st ed.

Contents by parts: Introduction. Principles of Cell Structure. Preparation of Materials. Special Techniques. Special Applications of Cell and Tissue Culture Methods. Index.

By John Paul, F.R.S.E., M.B., Ch.B., Ph.D., M.R.C.P.Ed., M.C.Path., Titular Professor in the Department of Biochemistry, University of Glasgow; Director, Tissue Culture Association Summer Course, 1957-60

1965

384 pp., 159 figs.

\$8.75

**THE WILLIAMS & WILKINS COMPANY**

428 E. PRESTON STREET/BALTIMORE, MARYLAND, U.S.A. 21202

Publishers of Books and Periodicals in Medicine and the Allied Sciences.