This information is current as of July 28, 2017.

### Subscription
Information about subscribing to *The Journal of Immunology* is online at:
http://jimmunol.org/subscription

### Permissions
Submit copyright permission requests at:
http://www.aai.org/About/Publications/JI/copyright.html

### Email Alerts
Receive free email-alerts when new articles cite this article. Sign up at:
http://jimmunol.org/alerts

*The Journal of Immunology* is published twice each month by The American Association of Immunologists, Inc., 1451 Rockville Pike, Suite 650, Rockville, MD 20852
All rights reserved.
Print ISSN: 0022-1767 Online ISSN: 1550-6606.
CONTENTS

NUMBER 1, JANUARY 1958

The Isolation in Tissue Culture, Chick Embryo and Suckling Mice of Filtrable Agents from Healthy Dairy Cattle. Calvin M. Kunin and Elva Minuse .......................................... 1

Tissue Culture Studies of Cellular Hypersensitivity in Rheumatic Fever. I. The Response of Human White Blood Cells to Streptococci and to Crude Filtrates of Streptococcal Cultures. Lloyd Florio, Gertrud Weiss and Gladys K. Lewis ................................................ 12

Tissue Culture Studies of Cellular Hypersensitivity in Rheumatic Fever. II. The Response of Fibroblasts from Human Skin and Heart to Disintegrated Streptococci and to Crude Filtrates of Streptococcal Cultures. Gertrud Weiss, Lloyd Florio and Gladys K. Lewis .......................... 26

Tissue Culture Studies of Cellular Hypersensitivity in Rheumatic Fever. III. A Reexamination of Tuberculin Hypersensitivity in Tissue Culture by a Study of the Response to Old Tuberculin of Human White Blood Cells and Fibroblasts from Human and Guinea-pig Skin. Lloyd Florio, Gladys K. Lewis, Gertrud Weiss and Howard Olson ........................................ 32

Factors Influencing Host-Virus Interactions. III. Further Studies on the Alteration of Coxsackie Virus Infection in Adult Mice by Environmental Temperature. Duard L. Walker and William D. Boring .................................................. 39

Adsorption, Multiplication and Cytopathogenicity of Enteroviruses (Poliomyelitis, Coxsackie and Echo Groups) in Susceptible and Resistant Monkey Kidney Cells. G. D. Hsiung and Joseph L. Melnick ................................................................................ 45

Antigenic Analyses of Influenza Viruses by Complement Fixation. I. The Production of Antibodies to the Soluble Antigen in Guinea Pigs. Florence S. Lief, Akinyele Fabiyi and Werner Henle .................................................................................................. 53

The Effects of Antibiotics on Enterobacterial Lipopolysaccharides (Endotoxins), Hemagglutination and Hemolysis. E. Neter, E. A. Gorzynski, O. Westphal and O. Suderitz .............................................. 66

Influences upon the Agglutinability of Rabbit Erythroeytes in the Presence of Iso-Antibody: Genetic Factors. Carl Cohen ..................................................................................................... 73

NUMBER 2, FEBRUARY 1958


Inhibition of Rh(D) Antibody by Eluates from Rh(D) Erythrocytes Treated with Mumps Virus or the Periodate Ion. Nancy J. Bigley, Robert W. Chandler and Matthew C. Dodd. 85

A Passive Hemagglutination Reaction for Psittacosis. Albert A. Benedict and Edith O'Brien .................. 94

The Reversible and Irreversible Toxic Effects of Anti-HeLa Cell Rabbit Serum upon Human Cell Lines in Tissue Culture. Gerald Goldstein and Quentin N. Myrvik ...................................................................... 100


Epidemiologic Implications of the Distribution by Age of Antibody Response to Experimental Influenza Virus Vaccines. Albert V. Hennessey and Fred M. Davenport ............................................. 114

Staining of Complement and Modifications of Fluorescent Antibody Procedures. R. A. Goldwasser and C. C. Shepard ........................................................................................................ 122


NUMBER 3, MARCH 1958

The "Protection" of Sensitized A and B Red Cell Antigens by Water-Soluble A and B Substances. G. H. Vos and R. L. Kirk ................................................. 149

The Demonstration of Two Systems Affecting Blood Leukocytes in the Hypersensitive State with Associated Inflammation. John D. Hartman ......................................................... 159

The In Vitro Quantitative Relationship between Two Systems Affecting Blood Leukocytes in Inflammatory Hypersensitivity Reactions Resulting from Different Antigens. John D. Hartman and Kenneth M. Schreck

iii
### CONTENTS VOL. 80

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Reaction of Dog Intestinal Phosphatase with Its Antibodies in the Region of Excess Antibody. Max Schlamowitz</td>
<td>176</td>
</tr>
<tr>
<td>On Goldberg's Theory of the Precipitin Reaction. G. S. Watson</td>
<td>182</td>
</tr>
<tr>
<td>Studies on Hemagglutination with Herpes Simplex Virus. I. Adsorption Studies as Evidence that the Antigen-Antibody Reaction is Specific and the Neutralizing and Hemagglutinating Antibodies are Identical. Frances G. Felton and L. Vernon Scott</td>
<td>186</td>
</tr>
<tr>
<td>Relation of Primary Antigen Injection to Time of Irradiation on Antibody Production in Mice. Nazareth Gengozian and Takashi Makinodan</td>
<td>189</td>
</tr>
<tr>
<td>Antigenicity of Combined β-Propiolactone and Ultraviolet Inactivated Virus Vaccines. Gerald A. LoGrippo</td>
<td>198</td>
</tr>
<tr>
<td>Antigenicity of Combined β-Propiolactone and Ultraviolet Inactivated Virus Vaccines. Gerald A. LoGrippo</td>
<td>215</td>
</tr>
<tr>
<td>Relation of Primary Antigen Injection to Time of Irradiation on Antibody Production in Mice. Nazareth Gengozian and Takashi Makinodan</td>
<td>215</td>
</tr>
<tr>
<td>Antigenicity of Combined β-Propiolactone and Ultraviolet Inactivated Virus Vaccines. Gerald A. LoGrippo</td>
<td>215</td>
</tr>
<tr>
<td>The Neutralization of Animal Viruses. II. A Critical Comparison of Hypotheses. S. Fazekas de St.Groth and A. F. Reid</td>
<td>225</td>
</tr>
</tbody>
</table>
CONTENTS

Leukocytic Transfer of Delayed Sensitivity to Normal Guinea Pigs from Rats Infected with *Mycobacterium lepraemurium*. John H. Wallace .................................................. 362
Development of Tetanus in Parabiotic Rats. Diana B. Schellenberg and Howard A. Matzke ..... 367
Aspects of the Immune Hemolytic Reaction. IV. Inhibition of Hemolysis by the Reaction Products.
O. J. Plescia, G. Cavallo, K. Amiraian and M. Heidelberger ........................................ 374
Inactivation of Complement by Egg Albumin-Rabbit Antiegg Albumin. II. Inhibition by Serum
Constituents. G. Cavallo, O. J. Plescia and M. Heidelberger ........................................ 382
Immunological Studies of Poliovirus: II. Kinetics of the Formation of Infectious and Noninfectious
Type 1 Poliovirus in Three Cell Strains of Human Derivation. Bernard Roizman, Walter
Hopken and Manfred M. Mayer ........................................................................ 386
Hemagglutination tests with *Ascaris* Antigens. Irving G. Kagan ................................ 396
Serum-Agar Double Diffusion Studies with *Ascaris* Antigens. II. Assay of Whole Worm and Tissue
and I. W. McLean, Jr. ..................................................................... 407

NUMBER 6, JUNE 1958

Louis Pillemer, 1908–1957 ...................................................................... 415
Heterogeneity and Average Combining Constants of Antibodies from Individual Rabbits. Alfred
Nisonoff and David Pressman ........................................................................ 417
The Effect of Feeding Simple Chemical Allergens to Pregnant Guinea Pigs upon Sensitizability of
Their Offspring. Rudolf L. Baer, Stanley A. Rosenthal and Blanka Hagel ....................... 429
Preparation of Serologically Homogeneous Plague Murine Toxin and Its Reactions with Physical,
Chemical and Enzymatic Agents. S. J. Ajl, James Rust, Jr., D. Hunter, J. Wooten and D. F.
Bent ..................................................................................... 435
Purification of the Toxin of *Pasteurella pestis* by Continuous-Flow Paper Electrophoresis. Martin
L. Spivack and Arthur Karler ........................................................................ 441
An Intraocular Mortality-Enhancing Material from *Malleomyces pseudomallei*. Monica Lusby and
H. B. Levine .............................................................................. 446
A Colorimetric Method for the Typing of Coxsackie Viruses of Group B and Certain Members of
Group A. Nathalie J. Schmidt, Mario Midulla and Edwin H. Lennette .............................. 454
Elimination of Nonspecific Components from Viral Antigens by Fluorocarbon. Vincent V.
Hamparian, Ferdinand Müller and Klaus Hummeler .................................................. 468
Identification of the Nuclear Component of the Interaction of Lupus Erythematosus Globulin and
Nuclei. George J. Friou ...................................................................... 476
*In Vivo* Purification of 1st Labeled Localizing Antirat Lymphosarcoma Antibody. William F.
Bale, Irving L. Spar and Ruth L. Goodland ................................................................... 482
Persistence of Circulating Antibodies in Human Subjects Immunized with Dextran, Levan and
Antigenic Relationships among Adenoviruses with Appraisal of Reliability of Complement-Fixation
Test for Typing Isolates. L. N. Binn, M. R. Hilleman, J. E. Rodriguez and R. R. Glabere ... 501