This information is current as of April 13, 2017.

<table>
<thead>
<tr>
<th>Subscription</th>
<th>Information about subscribing to <em>The Journal of Immunology</em> is online at: <a href="http://jimmunol.org/subscription">http://jimmunol.org/subscription</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Permissions</td>
<td>Submit copyright permission requests at: <a href="http://www.aai.org/About/Publications/JI/copyright.html">http://www.aai.org/About/Publications/JI/copyright.html</a></td>
</tr>
<tr>
<td>Email Alerts</td>
<td>Receive free email-alerts when new articles cite this article. Sign up at: <a href="http://jimmunol.org/alerts">http://jimmunol.org/alerts</a></td>
</tr>
</tbody>
</table>

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, JULY, 1950

The Effect of Adrenocorticotrophic Hormone on Circulating Antibody Levels. Joan A. de Vries .......................................................... 1

A Nomographic Probit Solution for the Median Effective Dose (ED₅₀). Walter Koch and Deborah Kaplan ........................................................................... 7

A Quantitative Complement Fixation Test: Titration of Luetie Sera by the Unit of 50 Per Cent Hemolysis. George J. Stein and Dang VanNgu ......................................................... 17

The Action of Enzymes in Hemagglutinating Systems. II. Agglutinating Properties of Trypsin-Modified Red Cells with Anti-Rh-Sera. Warren E. Wheeler, A. Leonard Luhby and Mary Louise L. Scholl ........................................................................ 39


Tuberculostatic Activity of Blood and Urine From Animals Given Gliotoxin. Ralph Tompsett, Walsh McDermott and John G. Kidd .......................................................... 59

A General Method for the Specific Purification of Antiprotein Antibodies. L. A. Sternberger and David Pressman ......................................................................................... 65

The Hypotensive Action of Influenza Virus on Rats. Hsioh-Teh Chang and J. Emerson Kempf ............................................................................................................. 75

Anti (Streptococcal Desoxyribonuclease. Occurrence in the Sera of Patients Treated with Streptococcal Concentrates Containing Streptodornase. George N. Hazlehurst ......................................................................................... 85

Quantitative Studies of the Relationship Between Fecal and Serum Antibody. Marion Elliott Koshland and William Burrows ........................................................................... 93

Serological Relationships Existing Between Bacterial Parasites and Their Hosts. I. Antibodies in Human Blood Serum for Native Intestinal Bacteria. Hazel B. Gillespie, Madje Stacy Steber, Elizabeth Netto Scott and Yvonne Serett Christ ........................................................................... 105

Serological Relationships Existing Between Bacterial Parasites and Their Hosts. II. The Agglutination of Intestinal Bacteria by Blood Serum from Human Beings and Animals not Known to Carry the Strains Tested. Hazel B. Gillespie, Madje Stacy Steber and M. Harriet Waugh ........................................................................... 115

Cytochemical Studies on the Intranuclear Inclusion of Herpes Simplex. Helen B. Crouse, L. L. Coriell, H. Blank and T. F. McNair Scott ........................................................................... 119

The Effect of Terramycin on the PR8 Strain of Influenza A Virus in Chick Embryos and Mice. J. W. Vinson and F. Tracey Walsh ........................................................................... 129

Studies on the Protective Effect of Gamma Globulin Against Herpes Simplex Infections in Mice. F. S. Cheever and George Daikos ........................................................................... 135

NUMBER 2, AUGUST, 1950

Combined Active-Passive Re-Immunization against Tetanus in Previously Immunized Individuals: Experimental and Clinical Evidence. John J. Miller, Jr. and Mary Louise Ryan ........................................................................... 143

The Antigenic Relationships of Certain Viruses Capable of Producing Encephalitis in Mice. As Shown by Complement Fixation Tests. T. P. Hughes and Alina Perlowagora ........................................................................... 155

The Antigenic Relationships of Native Antigens of Species of Brucella. Sidney J. Silverman and Sanford S. Elber ........................................................................... 163

A New Method for the Large-Scale Production of High-Titre Botulinum Formol-Toxoid Types C and D. M. Sterne and L. M. Wentzel ........................................................................... 175

The Action of Aureomycin and Other Chemotherapeutic Agents in Experimental Brucellosis. Abraham I. Braude and Wesley W. Spink ........................................................................... 185

The Interchangeability of the Complement Components of Different Animal Species. II. In the Hemolysis of Sheep Erythrocytes Sensitized with Rabbit Ambceptor. Christine E. Rice and C. N. Crowson ........................................................................... 201
CONTENTS

Q Fever in California. II. Recovery of Coxiella burneti from Naturally Infected Airborne Dust. Paul D. DeLay, Edwin H. Lennette and Kenneth B. DeOme............. 211
Differences in Toxicity of the S- and R-Variants of Shigella dysenteriae. Chloe Tal. .... 221
A Comparison of Influenza Complement Fixation Antigens Derived from Allantoic Fluids and Membranes. Maria Wiener Kirber and Werner Henle................. 229
Evaluation of the Agglutination of Erythrocytes Sensitized by Newcastle Disease Virus (NDV) as a Serologic Test in Infectious Mononucleosis. Lawrence Kilham... 245
A Comparison of Physicochemical Measurements of Hyaluronidase and of Neutralizing Antibodies Thereto. T. N. Harris and Susanna Harris ........................... 255
The Egg-White Inhibitor of Influenza Virus Hemagglutination. III. Stability in Relation to the Preparation of a Standard of Activity. Frank Lanni, Yvonne Théry Lanni and J. W. Beard............................... 269
Hemagglutinating Substances for Human Cells in Various Egyptian Plants. William C. Boyd ........................................................................ 281
The Electron Microscopy of Fowl Pox Virus within the Chorioallantoic Membrane. Councilman Morgan and Ralph W. G. Wyckoff ................................. 285

NUMBER 3, SEPTEMBER, 1950

Comparative Immunizing Capacity of BCG and the Proteins and Polysaccharides in Tubercle Bacillus Culture Filtrates. Florence B. Seibert ......................... 297
Immunological Studies of Three Antitoxin Containing Globulin Fractions of the Horse. B. V. Jager, Emil L. Smith, Harry Bernhisel and Louise A. Jager .... 311
Studies on Haemagglutination with the GDVII Strain of Murine Encephalomyelitis. L. B. Fastier.............................................................. 323
An Agglutination-Inhibition Test Proposed as a Standard of Reference in Influenza Diagnostic Studies. Committee on Standard Serological Procedures in Influenza Studies......................................................... 347

NUMBER 4, OCTOBER, 1950

Complement Fixation and Weil-Felix Reaction in Rabbits Inoculated with Bartonella bacilliformis. J. D. Reese, M. E. Morrison and E. M. Fowler ...................... 355
Cellular Change in Rabbits during Antibody Formation. II. Multiple Antigen Injections. Crichton McNeil...................................................... 359
Neutralization and Hemagglutination Inhibition of Swine Influenza Virus by Serum from Suckling Swine and by Milk from their Dams. George A. Young, Jr. and Norman R. Underdahl................................................... 369
The Separation of a Protective Antigen from a Toxin-Producing Strain of Hemophilus pertussis. Kenneth C. Robbins and Louis Pillemer .................... 393
The Antigenicity of Shigella sonnei. Sara E. Branham and Sadie A. Carlin .......... 407
Comparison of Seven Antibiotics against Hemophilus pertussis Infection in Chick Embryos. George Gee Jackson, Mildred W. Barnes and Maxwell Finland.... 419
Immunology and Preservation of the Norm. Thomas Francis, Jr..................... 437
CONTENTS

NUMBER 5, NOVEMBER, 1950

The Occurrence of Salmonella Factor I in Different Typhus Types of Bacteria as Shown by a Serologically Cosmopolitan Paracolon Bacterium. Rolf Saxholm.................. 443


Studies on Commercial Typhus Vaccines. II. The Antigenic Fractions of Disrupted Epidemic Typhus Rickettsiae. Leslie A. Chambers, Seymour S. Cohen and Jean R. Clawson........................................ 459

Studies on Commercial Typhus Vaccines. III. The Concentration and Isolation of the Rickettsia-Specific Soluble Antigen of Commercial Typhus Vaccine. Seymour S. Cohen, Leslie A. Chambers and Jean R. Clawson........ 465

Studies on Commercial Typhus Vaccines. IV. The Chemical Composition of Commercial Typhus Vaccine. Seymour S. Cohen........................................ 475

Purification of the Bovine γ-Globulin Factor Which Suppresses Variation in Brucella abortus. Leonard J. Cole........................................................ 485

The Effect of Pteroylglutamic Acid on Some Immune Responses of Chicks. P. A. Little, J. J. Oleson and P. K. Roesh........................................ 491

The Interchangeability of the Complement Components of Different Species. II. In Conglutination. Christine E. Rice........................................... 499

The Suppressive Effect of Antimicrobial Drugs on Brucella melitensis Infection in Mice. Charles A. Werner and Vernon Knight...................... 509


I\textsuperscript{131} as an Antigen Label in the Circulating Serum of Non-Immune Rabbits. William C. Knox and Frances C. Endicott............................... 523


The Zone of Localization of Antibodies. IX. The Properties of Anti-Rat-Lung Serum. Herman N. Eisen, Beila Sherman and David Pressman.............. 543

The Zone of Localization of Antibodies. X. The Use of Radioactive Sulfur 35 as a Label for Anti-Kidney Serum. David Pressman, Herman N. Eisen, Malcolm Siegel, Patrick J. Fitzgerald, Beila Sherman and Arthur Silverstein................................. 559

Study of Infectivity and Hemagglutination of Influenza Virus in Deembryonated Eggs. Hans Bernkopf................................................................. 571

The Sedimentable Components of Influenza Virus Propagated in Deembryonated Eggs. Martin Hanig and Hans Bernkopf............................. 585

The Immunochemistry of Toxins and Toxoids. VII. Further Studies on the Solubility of Diphtherial Toxoid in Methanol-Water Mixtures of Controlled pH, Ionic Strength and Temperature. Louis Pillemer, Judith Bentoff, Eleanor Brown and Irwin H. Lepow.......................................................... 591

The Immunochemistry of Toxins and Toxoids. VIII. Further Studies on the Solubility of Tetanal Toxoid in Methanol-Water Mixtures of Controlled pH, Ionic Strength and Temperature. Louis Pillemer and Judith Bentoff.................. 599

NUMBER 6, DECEMBER, 1950

Growth of Neurotropic Viruses in Extraneural Tissues. II. MM Virus in Various Tissues of Hamsters and Mice. Velma C. Chambers, Wayne M. Smith and Charles A. Evans......................................................... 605

Quantitative Studies on the Serologic Relationships of Fungi. S. B. Salvin.................. 617
Studies on the Hemagglutinin of *Hemophilus pertussis*. Elizabeth H. Thiele........... 627
Antibody Production in the Rabbit's Cornea. Richard Thompson and Howard Olson... 633
Treatment with Chloramphenicol, Aureomycin, and Terramycin of the Pneumonia of Mice Caused by Feline Pneumonitis Virus. Yale Kneeland, Jr. and Katherine Mills Price................................................................. 653
*In Vivo* Antibiotic Production by *Escherichia coli*. Seymour P. Halbert and Lois S. Swick............................................................................. 675
The Enhancement of Anaphylaxis in Albino Mice with the Aid of Adjuvants. Albert H. Wheeler, Ella M. Brandon and Helene Petrenco........................................... 687
Recovery of Two Distinct Haemagglutinins of Vaccinia Virus. Anne L. Gillen, Muriel M. Burr and F. P. Nagler.......................................................... 701
Agglutinin Nitrogen in Staphylococcus Antisera. M. Jeanne Kahnke............... 707
Study of an American Negro Family with the Rare Rh Genotype r^D^ (CdE/cde). Som- sak Phansomboon and Otakar J. Pollak.............................................. 711
Index.................................................................................. 715