This information is current as of April 1, 2017.
CONTENTS

NUMBER 1, JANUARY 1966

Mechanisms of γ-Globulin Synthesis. Saroj Tawde, Matthew D. Scharff and Jonathan W. Uhr. .......................................................... 1

Esterase, Peptidase, and the Enhancement of Guinea Pig Complement. Kenneth Amiraian and James D. Purcell. .......................................................... 8


Role of Interferon during Viremia. II. Protective Action of Circulating Interferon. Samuel Baron, Charles E. Buckler, Robert M. Friedman and Richard V. McCloskey. 17

Alteration of the Specificity of Lectin by Chemical Modification. II. Shoji Matsubara and William C. Boyd. ........................................................... 25

The Allergic Response to Stinging Insects: Biochemical and Immunologic Studies on Bee Venom and Other Bee Body Preparations. Sidney Shulman, Fred Bigelsen, Raymond Lang and Carl Arbesman. .......................................................... 29


Pathogenesis of Venezuelan Equine Encephalomyelitis Virus. II. Infection in Young Adult Mice. William D. Kundin. .......................................................... 49

Preparations of Saliva Inhibiting Reovirus Hemagglutination. A. Martin Lerner, Elizabeth Jane Bailey and Marvin Kofender. ................................................... 59


Clearance of Salmonella typhimurium in Mice and Immunity to Mouse Typhoid: A Comparison of the Activities of Hyperimmune Rabbit γ-Globulin and Porter's Fragment I Obtained by Papain Hydrolysis. J. W. Shands, Jr., H. Stalder and E. Suter. .................................................. 68

Viruria in Herpes Simplex Infection of Mice. Irwin Schultz and Franklin A. Neva. .......................................................... 74

Studies on the Mechanism of the Cytolytic Effect of Sensitized Lymphocytes. Werner Rosenau and Henry D. Moon. .......................................................... 80

Strain ES4 Avian Leukosis Virus: Titration and Immunologic Characterization. Linda Lucas, Dorothy Beard, A. J. Langlois and J. W. Beard. ........................................ 85

The Stability of Neutralization of Poliovirus by Native Antibody and Enzymatically Derived Fragments. Robert Keller. .......................................................... 96

Structural Characteristics of Red Cell Autoantibodies. M. Elaine Eyster, Ralph L. Nachman, William N. Christenson and Ralph L. Engle, Jr. .................................................. 107

Arthus Type Inflammation with Rabbit γM Antibody. Tomio Tada and Kimishige Ishizaka. .......................................................... 112

Further Studies on the Mechanism of Antibody-Complement Induced Hemolysis: Specificity of Complement. J. G. Scott, R. I. Weed and S. N. Swisher. .................................................. 119

Immunizing and Toxic Properties of Particulate Antigens from Two Immunogenic Type of Pasteurella multocida of Avian Origin. Kenneth L. Heddleston, Paul A. Rebers and Alfred E. Ritchie. .................................................. 124

Adjuvant Properties of Bacterial Cell Wall Mucopolptides. Juanita Bird Holton and John H. Schwab. .......................................................... 134

Heterogeneity of Antibody Producing Cells and Antibody as a Result of Environmental Alterations in Tissue Culture. Roy Patterson, Irena M. Suzsuko and Mary F. Orr. .................................................. 139

Influence of Corticosteroid Therapy on Serum Complement, Agglutinins, Free-Boundary Electrophoresis, Total Protein and Blood Counts in Dogs with Staphylococcal Bacteremia. Aldona L. Balch, Mark H. Lepper and Valentina T. Lolans. .................................................. 149


A Comparison of Some Commonly Used Methods for Detecting Antibodies to Bovine Albumin in Human Serum. Percy Minden, Robert T. Reid and Richard S. Farr. .................................................. 180
CONTENTS

NUMBER 2, FEBRUARY 1966

The Immunologic Competence of Mouse Thymus Cells Measured by the Graft vs. Host Spleen Assay. Henry Sosin, Henry Hilgard and Carlos Martinez .................................................. 189


The Relation between Isolated Human Amyloid Fibrils and Human Y-globulin and Its Subunits. Edgar S. Catheart and Alan S. Cohen .......................................................... 239

Studies on Antigenic Composition of Amyloid. F. Milgrom, R. Kasukawa and E. Calkins .......................................................... 245

Immunofluorescent Studies on Rubella-Infected Tissue Cultures and Human Tissues. Wilna A. Woods, Richard T. Johnson, Daniel D. Hostetler, Martha L. Lepow and Frederick C. Robbins .......................................................... 253


Adoptive Tolerance Transferred by Bone Marrow, Spleen, Lymph Node or Thymus Cells. Bertie F. Argyris .......................................................... 273

Vaccination against Human Leprosy Bacillus Infections of Mice: Protein by BCG Given during the Incubation Period. Charles C. Shepard ............ 279

Difference in Mechanism of Viral Neutralization under In Vitro and In Vivo Conditions. Natalie E. Cremer, Edwin H. Lennette, Shirley J. Hagens and Frances Y. Fujimoto .......................................................... 284

Absence of Agglutinin Formation in Spleen Cell Cultures from Immunologically Tolerant Mice. Herman Friedman .......................................................... 289

The Effect of the Scorbutic State on Tuberculin Hypersensitivity in the Guinea Pig. I. Passive Transfer of Tuberculin Hypersensitivity. Burton Zweiman, William F. Schoenwetter and Eugene A. Hildreth .......................................................... 296

Agglutinins for Human Erythrocytes in Mollusks. William C. Boyd, Rebecca Brown and Lyle G. Boyd .......................................................... 301

Heterogeneity of Immune Anti-A Antibody in Relation to Forssman Antigen. Mitsuo Yokoyama and H. H. Fudemberg .......................................................... 304


The Induction of a Hyporesponsive State to Hemocyanin. William O. Weigle .......................................................... 319

Weight Estimates of Rabbit Anti-Human Albumin Based on Antigen-Binding Capacity. James J. Mulligan, Jr., Abraham G. Osler and Eugene Rodriguez .......................................................... 324

Weight Estimates of Rabbit Anti-Human Serum Albumin Based on Antigen-Binding and Precipitin Analyses: Specific Hemagglutinating Activities of 7 S and 19 S Components. Abraham G. Osler, James J. Mulligan, Jr. and Eugene Rodriguez .......................................................... 334


Delayed Skin Reactivity to Carbohydrate and Protein Fractions of Mycobacterium bovis (BCG) Culture Filtrate in the Absence and Presence of Serum Antibody. H. Baer and S. D. Chaparas .......................................................... 333

A Hemagglutination Test and a Specific Depolymerase for Studying Immunologic Paralysis in Mice. Marcus S. Brooke .......................................................... 358

Studies on the Induction, Specificity, Prevention and Breaking of Immunologic Paralysis and Immunity to Pneumococcal Polysaccharide. Marcus S. Brooke .......................................................... 364
The Preparation of Nucleotide-Protein Conjugates: Carbodiimides as Coupling Agents. Mark J. Halloran and Charles W. Parker ........................................................ 373

The Production of Antibodies to Mononucleotides, Oligonucleotides and DNA. Mark J. Halloran and Charles W. Parker .................................................................... 379

The Isolation and Characterization of a Ninth Component of Hemolytic Complement, C3′f. Kozo Inoue and Robert A. Nelson, Jr ........................................................... 386

Heterogeneity of Nonspecific Forces in the Precipitation Reaction. Gregory W. Siskind. 401

The Effect of Hydrocortisone on Immune Lysis of Cells Induced by Cytotoxic Antibody and Complement in Vitro. J. F. Jennings .......................................................... 409

Complement-Mediated Hemolysis in Agar Gel. Felix Milgrom and Ulana Loza .................. 415

Early Antibody Responses of Mice Given a Single Injection of Emulsified Influenza Virus Vaccine. Byron S. Berlin. .......................................................... 424

Biologic Properties of 19 S and 7 S Mouse Isoantibodies Directed against Isoantigens of the H-2 System. Göran Möller. .......................................................... 430


Immunoglobulin Patterns of Antibodies against Brucella in Man and Animals. P. C. Wilkinson. 457


Suppression of Rabbit Lymph Node Cells by Rabbit Anti-Leucocyte Serum Demonstrated in Vitro by the Antibody Plaque Test. Susanna Harris and T. N. Harris. 478

Heterogeneity of Bovine Antibodies Produced against Bovine Viral Diarrhea (BVD) Viruses and against a Soluble Antigen of BVD Produced in Cell Cultures. Albert L. Ferrellius. 488

Antibody Formation, Latency and Leukemia: Infection with Moloney Virus. Natalie E. Cremer, Dee O. N. Taylor and Shirley J. Hagens. 495

Nasal Rejection of Experimentally Inoculated Staphylococcus aureus: Evidence for an Immune Reaction in Man. N. Joel Ehrenkranz. 509


Further Studies on Acquired Resistance to Murine Cryptococcosis: Enhancing Effect on Bordetella pertussis. Irving Abrahams. 525

Studies on Organ Specificity. XVII. Autoantigens of Rabbit Kidney. Eduardo Centeno, Sidney Shulman, Felix Milgrom, Ernest Witebsky and Floyd Skelton. 530

The Antigens of Vesicular Stomatitis Virus. I. Separation and Immunogenicity of Three Complement-Fixing Components. F. Brown, B. Cartwright and June D. Almeida. 537

Immunologic Unresponsiveness in the Adult Guinea Pig. II. The Kinetics of Unresponsiveness. Harold F. Dvorsk and Martin H. Flax. 546

The Interactions of the Erythrocytes of Various Species with Agglutinins of Abrus precatorius Linn. A. Hameed Khan, Bilquis Gul and M. Ataur Rahman. 554

Announcement. 558


Kinetics of the Transformation of Gram-Negative Rods to Spheroplasts and Ghosts by Serum. Starkey D. Davis, Diethard Gemsa and Ralph J. Wedgwood. 570

A Cold Agglutinin of the IgA Class. C. Douglas Angevine, Burton R. Andersen and Eugene V. Barnett. 578
Equine Anti-Hapten Antibody. III. The Comparative Properties of \( \gamma \)- and \( \alpha \)-Antibodies. Norman R. Klinman, John H. Rockey, Gretchen Frauenberger and Fred Karush .......... 587
The Effect of Hydrostatic Pressure on the Rate of Inactivation of Cypridina Luciferase by Specific Antibody. Frederick I. Tsuji, David L. Davis and David H. Donald .......... 614
Heterogeneity in the Complementation of Polypeptide Subunits of a Purified Antibody Isolated from an Individual Rabbit. Richard Hong and Alfred Nisonoff .......... 622
Enterovirus Hemagglutination: Inhibition by Aldoses and a Possible Mechanism. A. Martin Lerner, Lawrence D. Gelb, James R. Tillotson, Mary M. Carruthers and Elizabeth J. Bailey .......... 629
Antigenic Determinants of Human \( \beta_2 \) and \( \beta_\alpha \) Globulins. Clark D. West, Neil C. Davis, Judith Forristal, John Herbst and Roger Spitzer .......... 650
The Epidemiology of a Herpes Virus Infection of New World Monkeys. A. W. Holmes, James A. Devine, Edward Nowakowski and Friedrich Deinhardt .......... 668
The Effect of the Scorbutive State on Tuberculin Hypersensitivity in the Guinea Pig. II. In Vitro Mitotic Response of Lymphocytes. Burton Zweiman, Richard W. Besdine and Eugene A. Hildreth .......... 672
Use of Sarcoma 180/TG to Prepare Hyperimmune Aseitic Fluid in the Mouse. Alan C. Sartorelli, David S. Fischer and Wilbur G. Downs .......... 676
Catabolism of \( \gamma \)-Globulin with Reduced Interchain Disulfide Bonds in Rabbits. George L. Cohen and Mart Mannik .......... 683
Immunologic Response to the Nitro-Olefins. Alan S. Josephson .......... 699
Benzylpenicillloyl-Specific Serum Antibodies to Penicillin in Man. II. Sensitivity of the Hemagglutination Assay Method, Molecular Classes of the Antibodies Detected, and Antibody Titers of Randomly Selected Patients. Bernard B. Levine, Michael J. Fellner, Vera Levytska, Edward C. Franklin and Norman Alisberg .......... 719
Mitosis in Mouse Peritoneal Macrophages. Ian J. Forbes .......... 734
7S\( \gamma \)-1 and 7S\( \gamma \)-2 Antibody Response in the Mouse. I. Influence of Strain, Antigen and Adjuvant. John E. Coe .......... 744

NUMBER 5, MAY 1966

Comparisons of Antibodies Reacting with DNA. II. Rabbit Antibodies Induced by Nucleoside-Protein Conjugates. Ann L. Sandberg and B. David Stollar .......... 764
Hydroxylamine as an Inactivating Agent for Foot-and-Mouth Disease Virus. O. N. Fellowes .......... 772
CONTENTS vii

Immunofluorescent Detection of Antibody to Lymphocytic Choriomeningitis Virus in Man. Sophia M. Cohen, Irene A. Triandaphilli, James L. Barlow and John Hotechin .......................... 777


Serum Protein Alterations Induced by Listeria monocytogenes Infections. C. P. Sword .......................... 790

Immunochimical Studies on Dextran. IV. Further Characterization of the Determinant Groups on Various Dextrans Involved in Their Reactions with the Homologous Human Antidextrans. Mitsuo Torii, Elvin A. Kabat and H. Weigel .......................... 797


Alteration of the Specificity of Lectin by Chemical Modification. III. Phenylazobenzoylation of Lima Bean and Sophora japonica Lectins. Shoji Matsubara and William C. Boyd .......................... 829

Immunologic Tolerance Induced by a Combination of Chloramphenicol and 6-Mercaptopurine. A. Cruchaud .......................... 832

Atypical Antigenic Properties of a γA Myeloma Protein. C. K. Osterland and H. Chaplin, Jr.......................... 842

The Adjuvant Action of Endotoxin in Thymectomized Mice. Priscilla A. Campbell, David T. Rowlands, Jr., Michael J. Harrington and Phyllis D. Kind .......................... 849

The Specificity of pII and Ionic Strength Effects on the Kinetics of the Rh (D)-Anti-Rh (D) System. Arthur E. Barnes .......................... 854

Production of Antibody against Bradykinin: Demonstration of Specificity by Complement Fixation and Radio-Immunonesssay. Jocelyn Spragg, K. Frank Austen and Edgar Haber .......................... 865

Effect of Interferon Treatment on Interferon Production. Robert M. Friedman .......................... 872


Serologic Relationships between β-Lysins of Different Species. Audris Matheson, Robert S. Jensen and David M. Donaldson .......................... 885

Agar Gel Diffusion Method for the Study of Antigenic Components of Mumps Virus. Raul R. Cuadra .......................... 892

A Specific Anti-B Lectin for Routine Diagnostic Purposes. Aparna Chattoraj and William C. Boyd .......................... 898

Enhanced Immunologic Sensitization of Mice by the Simultaneous Injection of Antigen and Specific Antiserum. II. Effect of Varying the Antibody Ratio and the Amount of Immune Complex Injected. Sherie Leaver Morrison and Geronimo Terres .......................... 901

Studies on Synthetic Polypeptide Antigens. XV. The Immunochemical Properties of Ferrocenylpoly GluLysTyr (No. 2) Conjugates. T. J. Gill, III and L. T. Mann, Jr.......................... 906

Forssman Antigen and Antibody: Preparation of Water Soluble Antigen and Measurement of Antibody Concentration by Precipitin Analysis by C'1a Fixation and by Hemolytic Activity. Herbert J. Rapp and Tibor Boros .......................... 913

The Formation in Vitro of Cold Auto-Hemaggulitins with Anti-I Specificity. R. van Furth and Martina Dieselloff-den Dulk .......................... 920


γ-Globulin and Antibody Formation in Vitro. The Secondary Response Made by Splenic White

Desensitization Studies of Delayed Hypersensitivity: With Special Reference to the Possible Role of High-Affinity Antibodies. Arthur M. Silverstein and Felix Borek 953

Serologic Response in a Marine Worm, Sipunculus nudus. Frederik B. Bang 960


Delayed Hypersensitivity to Herpes Simplex Virus in the Guinea Pig. Robert N. Lausch, Jerry S. Swyers and Herbert E. Kaufman 981

Mitogenic Activity of Bacterial Fractions in Lymphocyte Cultures. I. Purified Protein Derivative and Polysaccharides of Tuberculin. Dorothy H. Heilman and William McFarland 988

Phagocytosis by Guinea Pig Splenic Cells of Escherichia coli and Protein-Coated Bentonite Particles Labeled with Iodine. Robert R. Carpenter 992

Complement Fixation for Antigens on a Picogram Level. Blake W. Moore and Vernon J. Perez 1000

Protective Effect of Elevated Temperature on Mice Infected with Coe Virus. Gerald E. Underwood, Carolyn A. Baker and Sheldon D. Weed 1006

Biosynthesis of Intrinsically Labeled Antibodies In Vitro. Frank F. Richards, Charles T. Ambrose and Edgar Haber 1013

Sequential Synthesis of Two 7 S Lysins by Rats Challenged with Mouse Sarcoma-180 Tumor Cells. J. W. Coffey and Hans J. Hansen 1021

Tolerance to Bovine γ-Globulin in Adult Guinea Pigs. J. Wayne Streilein and E. A. Hildreth 1027

Studies on Organ Specificity. XVIII. Immunologic and Biophysical Characterization of Canine Prostatic Fluid. Carlos Yantorno, Sidney Shulman, Maurice J. Gonder, Ward A. Soanes and Ernest Witebsky 1035