70 (3)

This information is current as of May 29, 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
CONTENTS

NUMBER 1, JANUARY, 1953

A Simple Method for Obtaining Highly Potent Tetanus Toxin. Walter Koch and Deborah Kaplan. 1

Standardization of Cobra (Naja Flava) Venom Using the Graded Response Method. P. Agerholm Christensen and D. J. Finney 7

The Production of Antibody by Patients with Acute Viral Hepatitis. Peter L. Eichman, Ruth W. Miller and W. Paul Havens, Jr. 21

Evaluation of Prolonged Antibiotic Therapy in Mice with Chronic Brucella Infection Due to Brucella melitensis. James M. Shaffer, Carrell J. Kucera and Wesley W. Spink 31

The Relation Between the Infectivity and the Hemagglutinin of Murine Encephalomyelitis Virus (GDVII). Marion C. Morris 39

Virus Growth in Tissue Culture Fibroblasts. I. Influenza A and Herpes Simplex Viruses. Cyril S. Stulberg and Ruth Schapira 51

Antibody Production in Inbred Strains of Mice. Mary Alexander Fink and Virginia A. Quinn 61

Studies on the Bactericidal Reaction.

I. Bactericidal Action of Normal Sera Against a Strain of Salmonella typhosa. Frank L. Adler 69

II. Inhibition by Antibody, and Antibody Requirements of the Reaction. Frank L. Adler 79

In vitro Action of Mustards on the Infective and Toxic Components of Influenza A (PR8) Virus. Jacob Fong and Enrique Bernal 89

In vitro Action of Sulfur Mustard and Chloroethylamine Derivatives upon Antigenicity of Influenza A (PR8) Virus. Jacob Fong and Enrique Bernal 97

Studies with Shigella dysenteriae (Shiga). IV. Immunological Reactions in Monkeys to the Toxins in Isolated Intestinal Pouches. Sara E. Brantham, Gail M. Daack and Donald B. Riggs. 103

A study of the Relation of Antibiotics, Vitamins and Hormones to Immunity to Infection. Levon A. Terzian, N. Stahler and Helma Miller 115

The Immunological Relationship between Human and Bovine Serum Albumin. L. R. Melcher, S. P. Masouredis and R. Reed 125

NUMBER 2, FEBRUARY, 1953

Antibody Formation in vitro by Haemopoietic Organs after Subcutaneous and Intravenous Immunization. G. J. Thorbecke and F. J. Keuning 129

The Effect of Complement in Rabbit Serum on the Quantitative Precipitin Reaction. I. Paul H. Maurer and David W. Talmage 135

A Study of the Effects of Sodium Salicylate and Some Structurally Related Compounds on Antigen-Antibody Reactions in vitro. Charlotte Friend 141

Natural Pathogenicity of Mumps Virus for Suckling Hamsters on Intracerebral Inoculation. Lawrence Kilham and John R. Overman 147

Cutaneous Hypersensitivity in Brucellosis.

I. Characterization of an Antigen for Detection of Cutaneous Hypersensitivity in Brucellosis. Albert A. Benedict and Sanford S. Elberg 152

II. Chromatographic Studies on the Skin-Test Antigen. Albert A. Benedict and Sanford S. Elberg 165

Precision of Potency Assay of Alum-Precipitated Tetanus Toxoid in Mice. Johannes Ipsen, Jr. 171

Antigens in Scarlatinal Erythrogenic Toxin Demonstrable by the Oudin Technic. Robert K. Jennings 181

Formation of the Particles of Influenza Virus. Ralph W. G. Wyckoff 187

Hemagglutinins among Higher Fungi. Alan W. Bernheimer and Mary Elizabeth Farkas 197

NUMBER 3, MARCH, 1953

Anaphylactic Reactions and Concentrations of Antibody in Rats and Rabbits: Effect of Adrenalectomy and of Administration of Cortisone. Peter B. Dews and Charles F. Code 199

Serological Studies with Vibrio Metchnikovii. E. Staten Wynne, Cora L. Gott, Donald A. Mehl and James O. Norman 207
A Serologically-Active Erythrocyte-Sensitizing Substance from Typhus Rickettsiae.

I. Isolation and Titration. Shih-man Chang .................................................... 212


Effect of Thiocarbamates and Dichlorophenoxy Thiouracil on Multiplication of a Recently Isolated Strain of Variola-Vaccinia Virus in the Brain of the Mouse. S. A. Minton, Jr., J. E. Officer and R. L. Thompson ........................................ 222

Effect of Heterocyclic and Other Thiocarbamates on Vaccinia Infection in the Mouse. R. L. Thompson, S. A. Minton, Jr., J. E. Officer and G. H. Hitchings .......................................................... 229


Fractional Dilution Procedure for Precise Titration of Hemagglutinating Viruses and Hemagglutination-Inhibiting Antibodies. Frank L. Horsfall, Jr. and Igor Tamm ................................................................ 253

Quantitative Studies of Cross Reactions Between Shigella flexneri Types 1a, 1b, and 3. Samuel B. Formal and Edgar E. Baker ................................................................................. 260

Immunization of Mice Against Histoplasma capsulatum. S. B. Salvin ........................................ 267

The Hemagglutinin of St. Louis Encephalitis Virus.

I. Recovery of Stable Hemagglutinin from the Brains of Infected Mice. Robert M. Chanock and Albert B. Sabin .......................................................... 271

II. Physico-Chemical Properties and Nature of its Reaction with Erythrocytes. Robert M. Chanock and Albert B. Sabin .......................................................... 286

III. Properties of Normal Inhibitors and Specific Antibody; Use of Hemagglutination-Inhibition for Diagnosis of Infection. Robert M. Chanock and Albert B. Sabin .......................................................... 302

A Note on the Use of the Antigen Excess Zone to Reveal the Existence of Certain Types of Cross Reactions in Unidentified Mixtures of Antigens. Melvin Cohn .......................................................... 317

Antigen-Antibody Precipitates in Solid Medium with Influenza Virus. Keith E. Jensen and Thomas Francis, Jr ................................................................................. 321

The Efficacy of the Intracutaneous Route of Infection and the Susceptibility of the Hartley Strain of Guinea Pigs in Experimental Allergic Encephalitis. Murray M. Lipton and Jules Freund............ 326

Number 4, April, 1953

Specific White Cell Lysis Produced by Combination of Rabbit Antiserum to Purified Protein (Ovalbumin, Bovine Gamma Globulin) with Homologous Antigen. The Role of Non-Precipitating Antibody. Byron H. Waksman and Donald Gaulitz .......................................................... 331

The Comparative Retention of Antigen in the Skin of Immune and Normal Rabbits as Determined with Egg Albumin Labelled with Radioactive Iodine. Leonhard Korngold, Grant L. Stahly, Matt C. Dodd and William G. Myers .......................................................... 345

The Stability of Chick Embryo Yellow Fever Vaccine During Storage. Richard G. Hahn and John C. Bugher ................................................................................. 352

The Origin of Fecal Antibody and Its Relationship to Immunization with Adjuvant. Marian Elliott Koshland ................................................................................. 359

The Effect of High Intensity Electron Bursts on Antibodies. Frederick B. Traub, Arno Brasc and Wolfgang Huber ................................................................................. 366

The Molecular Weight of an Antigen-Antibody Complex. Elmer L. Becker .......................................................... 372


Some Effects of Formalin on the Serological Activity of Crustacean and Mammalian Sera. Charles A. Leone ................................................................................. 386


Characteristics of Antibiotic-Producing Strains of the Ocular Bacterial Flora. Seymour P. Halbert, Lois Swick and Constance Sonn .......................................................... 400

The Altered Reactivity of Mice After Immunization with Hemophilus pertussis Vaccine. Leon S. Kind ................................................................................. 411
Relation of the Incubation Period and the Secondary Immune Response to Lasting Immunity to Infectious Diseases. Colin M. MacLeod ................................................... 421

Bio-Assay of Four Tetanus Toxoids (Aluminum Precipitated) in Mice, Guinea Pigs and Humans. Johannes Ipsen, Jr. ................................................................. 426

**NUMBER 5, MAY, 1953**

The Effect of the Presence of Complement in Rabbit Serum on the Quantitative Precipitin Reaction. II. Effect on Antigen and Antibody Precipitation. Paul H. Maurer and David W. Talmage ................................................................. 435

Experimental Hypersensitivity. The Effect of Adrenocorticotropic Hormone, Cortisone and Adrenalectomy on the Serological and Histological Responses in the Rabbit Following Injections of Foreign Proteins. Frederic C. Moll and Clinton Van Zandt Hawn ................. 441

The Effect of Cortisone on Local Antibody Formation. Sheldon P. Hayes ................................................................. 450

Effects of X-Irradiation and Adrenalectomy on Phagocytic Activity. Don W. Esplin, Stanley Marcus and David M. Donaldson ................................................................. 454

A Toxic Substance Associated with the Rickettsias of the Spotted Fever Group. E. John Bell and Edgar G. Pickens ................................................................. 461

Growth Curves of Coxsackie Viruses in Mice, Including the Temporal Development of Complement Fixing Antigens. Guillermo Contreras and Joseph L. Melnick ................................................................. 473

Complement Fixing Antibodies Against Coxsackie Viruses in Mice. Guillermo Contreras and Joseph L. Melnick ................................................................. 484

Antibody Production and Tuberculin Sensitivity in Individuals with a History of Rheumatic Fever. Robert W. Quinn, C. V. Seastone and Helen A. Dickie ................................................................. 493

**NUMBER 6, JUNE, 1953**

A Consideration of the Components Concerned in the Conglutinating Activities of Certain Components. Christine E. Rice ................................................................. 497

A Serological Study of Some Helminth Relations. Henry Vogel ................................................................. 503

Immunological Studies of Egg White Proteins. V. The Cross-Reactions of Egg White Proteins of Various Species. L. R. Wetter, Melvin Cohn and H. F. Deutsch ................................................................. 507

Dextran—An Antigen in Man. Elvin A. Kabat and Deborah Berg ................................................................. 514

The Separation of Alpha Toxin (Lecithinase) from Filtrates of Clostridium welchii. Florence B. Roth and Louis Pillemer ................................................................. 533

An Analysis of the Difference Between a Destructive and a Vaccine Strain of NDV (Newcastle Disease Virus) in the Chick Embryo. Ch'ien Liu, M.D. and Frederik B. Bang, M.D. ....... 538