In Vitro Passive Sensitization of Chopped Guinea Pig Lung by Guinea Pig 7S Antibodies. ALAN R. BAKER, KURT J. BLOCH AND K. FRANK AUSTEN. 525

Immunoelectrophoretic Studies of the Protein Components of Normal Tears. ALAN S. JOSEPHSON AND DAVID W. LOCKWOOD. 532

Biologic Properties of Polynucleotides. V. Studies on the Inhibition of the First Component of Complement by Polynucleosinic Acid: The Interaction with C'1q. STANLEY YACHNIN, DANIEL ROSENBLUM AND DONALD CHATMAN. 540

Biologic Properties of Polynucleotides. VI. Further Studies on the Mechanism of Complement Inhibition by Polynucleosinic Acid: The Inactivation of the Fourth Component of Complement. STANLEY YACHNIN, DANIEL ROSENBLUM AND DONALD CHATMAN. 549

Phagocytosis and Intracellular Fate of Pasteurella tularensis. II. In Vitro Studies with Rabbit Alveolar and Guinea Pig Alveolar and Peritoneal Mononuclear Phagocytes. BERT D. THORPE AND STANLEY MARCUS. 558

The Loss of Antibody Titer following Labeling by Tritium Gas Exposure. DAVID E. SCHLEGEL. 566

Rate Studies in Immune Hemagglutination. TAU KUANG MING, CHARLES SEVERSON AND HAROLD S. GOODMAN. 567


Five Allelic Genes at the Aa Locus Which Control γ-Globulin Allotypic Specificities in Mice. ROSE LIEBERMAN AND SHELDON DRAY. 584


Studies of the L Chains of Guinea Pig and Rat Anti-2,4-Dinitrophenyl Antibodies. BARUJ BENACERRAF, CARMEN MERRYMAN AND RUBEN A. BINAGHI. 618

Coccidioidin Skin Reactions. EVELYN B. WALLRAFF AND ISARELLE B. SNOW. 625

Specificity of Reaction to Antigenic Stimulation in Lymph Nodes of Immature Rabbits. II. Suppression of Local Morphologic Reactions to Alum Precipitated Bovine Serum Albumin by Intraperitoneal Injections of Soluble Bovine Serum Albumin in Neonatal Rabbits. M. W. COHEN AND G. J. THORBEGE. 629

Identification of Hemagglutinins in Chicken Blood Serum following Homografting. RAY E. GLEASON AND ROY C. FANGUY. 637

Inhibition by Metabolic Analogues of Plaque Formation by Herpes Simplex Viruses. FRED RAPP. 643

Effects of Hibernation on the Latent Period in Normal and X-Irradiated Ground Squirrels. BERNARD N. JAROSLOW AND DOUGLAS E. SMITH. 649

Immunogenicity and Specificity of Collagen. II. Investigations about Specificity of Collagen and Its Derivatives by Hemagglutination and Hemagglutination-Inhibition of Anti-Collagen and Anti-Parent Gelatin Immune Sera. CARL STEFFEN, RUPERT TIMPL AND IVAR WOLFF. 656


Demonstration of Antibody in Rabbit Alveolar Macrophages with Failure to Transfer Antibody Production. WILLIAM B. HUNT, JR. AND QUENTIN N. MYRKV. 677

The Antigen-Antibody Reaction. VI. Computational Analyses of Immunodiffusion Data. FREDERICK ALADJEM. 682

The Cell Cycle of Blast Cells Involved in Secondary Antibody Response. TOSHIHIKOSADO AND T. MAKINODAN. 696