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ABSTRACT

This volume contains citations of 65 technical articles published by scientists associated with the Department of the Army, Fort Detrick, Frederick, Maryland. They are listed by reprint number and cross-indexed by subject and author.

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1968

1319

Johnson, Roger W.; Orlando, Michael D. 1968. Growth of Rift Valley fever virus in tissue culture. *Amer. J. Veterinary Res.* 29:463-471.

1320

Garcia, L.H.; Daniels, W.F.; Rosensteel, J.F. 1967. Reproducibility of readings of a commercially available oxidation-reduction electrode for use in tissue culture systems. *Biotechnol. Bioeng.* 9:626-629.

1321

Nagle, Stanley C., Jr. 1968. Heat-stable chemically defined medium for growth of animal cells in suspension. *Appl. Microbiol.* 16:53-55.

1322

Dorsey, Warren G.; Shirey, William N.; Patrick, William C. 1968. Partial purification of the organism of psittacosis grown in chicken embryo yolk sac. *Appl. Microbiol.* 16:166-167.

1323

Landay, M.E.; Wheat, R.W.; Conant, N.F.; Lowe, E.P. 1968. Indirect immunofluorescent tests with spherules and arthrospores of Coccidioides immitis. *J. Lab. Clin. Med.* 71:294-300.

1324

Calder, K.L. 1968. In clarification of the equations of shallow-layer thermal convection for a compressible fluid based on the Boussinesq approximation. *Quart. J. Roy. Meteorol. Soc.* 94:88-92.

1325

Holm, R.E.; Abeles, F.B. 1968. The role of ethylene in 2,4-D-induced growth inhibition. *Planta* 78:293-304.

1326

Rees, Horace B., Jr.; Weiss, Emilio. 1968. Glutamate catabolism of Rickettsia rickettsi and factors affecting retention of metabolic activity. *J. Bacteriol.* 95:389-396.

1327

Barbeito, Manuel S.; Gremillion, Gardner G. 1968. Microbiological safety evaluation of an industrial refuse incinerator. *Appl. Microbiol.* 16:291-295.

1328

Mayhew, Charles J.; Zimmerman, W. Douglas; Hahon, Nicholas. 1968. Assessment of aerosol stability of yellow fever virus by fluorescent-cell counting. *Appl. Microbiol.* 16:263-266.

1329

Janssen, Werner A.; Meyers, Caldwell D. 1968. Fish: Serologic evidence of infection with human pathogens. *Science* 159:547-548.

1330

Fish, Donald C.; Mahlandt, Bill G.; Dobbs, James P.; Lincoln, Ralph E. 1968. Purification and properties of in vitro-produced anthrax toxin components. *J. Bacteriol.* 95:907-918.

1331

Fish, Donald C.; Lincoln, Ralph E. 1968. In vivo-produced anthrax toxin. *J. Bacteriol.* 95:919-924.

1332

Friedman, Mischa E. 1968. Inhibition of staphylococcal enterotoxin B formation by cell wall blocking agents and other compounds. *J. Bacteriol.* 95:1051-1055.

1333

Barbeito, Manuel S.; Taylor, Larry A.; Seiders, Reginald W. 1968. Microbiological evaluation of a large-volume air incinerator. *Appl. Microbiol.* 16:490-495.

1334

Goldberg, Ivan D.; Gwinn, Darrel D. 1968. Transformation in Bacillus cereus: A critique. *Biochem. Biophys. Res. Commun.* 31:267-274.

1335

Orlando, M.D.; Bowersox, O.C., Jr.; Riley, J.M. 1968. Growth of mouse fibroblast-like cells in an autoclavable medium. *Biotechnol. Bioeng.* 4: 61-67.

1336

Finegold, Milton J.; Seaquist, Michael E.; Doherty, Michael J. 1968. Treatment of pulmonary asariasis in rhesus monkeys with an organic phosphate. *Lab. Animal Care* 18:127-130.

1337

Phillips, C.R. 1968. Gaseous sterilization, p. 669-685. In C.A. Lawrence and S.S. Block (ed.) *Disinfection, sterilization and preservation.* Lea & Febiger, Philadelphia, Pa.

1338

Hoffman, Robert K. 1968. Effect of bacterial cell moisture on the sporicidal activity of β -propiolactone vapor. *Appl. Microbiol.* 16:641-644.

1339

Albizo, Johnnie M.; Surgalla, Michael J. 1968. Specific identification of fraction I-positive Pasteurella pestis colonies on antiserum-agar plates. *Appl. Microbiol.* 16:649-655.

1340

Sinski, James T. 1968. Use of the microscope in a gastight safety cabinet system. *Appl. Microbiol.* 16:659-660.

1341

Vick, James A.; Lincoln, Ralph E.; Klein, Frederick; Mahlandt, Bill G.; Walker, Jerry S.; Fish, Donald C. 1968. Neurological and physiological responses of the primate to anthrax toxin. *J. Infect. Dis.* 118:85-96.

1342

Fish, Donald C.; Klein, Frederick; Lincoln, Ralph E.; Walker, Jerry S.; Dobbs, James P. 1968. Pathophysiological changes in the rat associated with anthrax toxin. *J. Infect. Dis.* 118:114-124.

1343

Rowley, Wayne A.; Graham, Charles L. 1968. The effect of age on the flight performance of female Aedes aegypti mosquitoes. *J. Insect Physiol.* 14:719-728.

1344

Klein, Frederick; Lincoln, Ralph E.; Dobbs, James P.; Mahlandt, Bill G.; Remmele, Norman S.; Walker, Jerry S. 1968. Neurological and physiological responses of the primate to anthrax infection. *J. Infect. Dis.* 118:97-103.

1345

Remmele, Norman S.; Klein, Frederick; Vick, James A.; Walker, Jerry S.; Mahlandt, Bill G.; Lincoln, Ralph E. 1968. Anthrax toxin: Primary site of action. *J. Infect. Dis.* 118:104-113.

1346

Bateman, J.B. 1968. Long-term bactericidal effects of reduced ambient water activity: Use of membrane filter support for test organisms. *Amer. J. Epidemiol.* 87:349-366.

1347

Aitenbern, Robert A. 1968. Chromosome mapping in Staphylococcus aureus. *J. Bacteriol.* 95:1642-1646.

1348

Sinski, James T.; Smith, Francis X.; Lowe, Edwin P. 1968. Survival of dry Coccidioides immitis at 4 C for five years. *Mycologia* 60:444-445.

1349

Iverson, Warren P. 1968. Transient voltage changes produced in corroding metals and alloys. *J. Electrochem. Soc.* 115:617-618.

1350

Jones, Lynwood A., Jr.; Hoffman, Robert K.; Phillips, Charles R. 1968. Sporocidal activity of sodium hypochlorite at subzero temperatures. *Appl. Microbiol.* 16:787-791.

1351

Orlando, M.D.; Riley, J.M. 1968. Studies with dried airborne vaccinia virus in a small environmental chamber. *Biotechnol. Bioeng.* 10:151-157.

1352

Tyeryar, F.J., Jr.; Lawton, W.D.; MacQuillan, A.M. 1968. Sequential replication of the chromosome of Bacillus licheniformis. *J. Bacteriol.* 95:2062-2069.

1353

Weirether, Francis J.; Walker, Jerry S.; Lincoln, Ralph E. 1968. A precise method for replicating suspension cultures of mammalian cells. *Appl. Microbiol.* 16:841-844.

1354

Scharer, Jenö M., Klein, Frederick; Lincoln, Ralph E. 1968. Growth and metabolism of live vaccine strain of Pasteurella tularensis. *Appl. Microbiol.* 16:855-861.

1355

Berendt, Richard F. 1968. The effect of physical and chemical restraint on selected respiratory parameters of Macaca mulatta. *Lab. Animal Care* 18:391-394.

1356

Silverman, Sidney J.; Knott, Allen R.; Howard, Mary. 1968. Rapid, sensitive assay for staphylococcal enterotoxin and a comparison of serological methods. *Appl. Microbiol.* 16:1019-1023.

1357

Barbeito, Manuel S.; Taylor, Larry A. 1968. Containment of microbial aerosols in a microbiological safety cabinet. *Appl. Microbiol.* 16:1225-1229.

1358

Goldberg, Ivan D.; Bryan, Theodore. 1968. Productive infection of Bacillus subtilis 168, with bacteriophage SP-10, dependent upon inducing treatments. *J. Virol.* 2:805-812.

1359

Finegold, Milton J.; Petery, John J.; Berendt, Richard F.; Adams, Henry R. 1968. Studies on the pathogenesis of plague: Blood coagulation and tissue responses of Macaca mulatta following exposure to aerosols of Pasteurella pestis. Amer. J. Pathol. 53:99-114.

1360

Landay, M.E.; Wheat, R.W.; Conant, N.F.; Lowe, E.P. 1968. A serological comparison of the three morphological phases of Coccidioides immitis: Complement fixation tests with a pooled antiserum obtained from rabbits with experimental coccidioidomycosis. Mycopathol. Mycol. Appl. 34:289-295.

1361

Abeles, F.B.; Gahagan, H.E. 1968. Accelerated abscission of coleus petioles by placing plants in a horizontal position. Life Sci. 7:653-655.

1362

Iverson, Warren P. 1968. Corrosion of iron and formation of iron phosphide by Desulfovibrio desulfuricans. Nature 217:1265-1267.

1363

Standen, A.C.; Esterly, J.R.; Pearson, B. 1968. Morphological changes in the rabbit appendix following thymic transplants. Experientia 24:834-835.

1364

Abeles, F.B.; Gahagan, H.E. III. 1968. Abscission: The role of ethylene, ethylene analogues, carbon dioxide, and oxygen. Plant Physiol. 43:1255-1258.

1365

Bateman, J.B. 1968. Osmotic responses and light scattering of bacteria. J. Colloid Interface Sci. 27:458-474.

1366

Hahn, N.; Kozikowski, E.H. 1968. Induction of interferon by Coxiella burnetii in cell cultures. J. Gen. Virol. 3:125-127.

1367

Rowley, Wayne A.; Graham, Charles L. 1968. The effect of temperature and relative humidity on the flight performance of female Aedes aegypti. J. Insect Physiol. 14:1251-1257.

1368

Mullican, Charles L.; Hoffman, Robert K. 1968. Dry heat or gaseous chemical resistance of Bacillus subtilis var. niger spores included within water-soluble crystals. Appl. Microbiol. 16:1110-1113.

1369

Hoffman, Robert K.; Gambill, Vernon W.; Buchanan, Lee M. 1968. Effect of cell moisture on the thermal inactivation rate of bacterial spores. *Appl. Microbiol.* 16:1240-1244.

1370

Albizo, Johnnie M.; Surgalla, Michael J. 1968. Use of the antiserum-agar plate technique for specific identification and isolation of Pasteurella pestis. *Appl. Microbiol.* 16:1114-1119.

1371

Buchanan, L.M.; Decker, H.M.; Frisque, D.E.; Phillips, C.R.; Dahlgren, C.M. 1968. Novel multi-slit large-volume air sampler. *Appl. Microbiol.* 16:1120-1123.

1372

Landay, Marshall E.; Wright, George G.; Pulliam, James D.; Finegold, Milton J. 1968. Toxicity of Pasteurella tularensis killed by ionizing radiation. *J. Bacteriol.* 96:804-810.

1373

Ediger, R.D.; Rabstein, M.M. 1968. Spontaneous leukemia in a Hartley strain guinea pig. *J. Amer. Vet. Med. Ass.* 153:954-956.

1374

Abeles, F.B. 1968. Role of RNA and protein synthesis in abscission. *Plant Physiol.* 43:1577-1586.

1375

Bowden, John P. 1968. A method for preparing small quantities of ¹⁴C-labeled staphylococcal enterotoxin B. *Biochim. Biophys. Acta* 168:150-152.

1376

Halle, Sidney. 1968. 5-Azacytidine as a mutagen for arboviruses. *J. Virol.* 2:1228-1229.

1377

Aarlestad, H.G.; Hoffman, E.J.; Brown, Arthur. 1968. Fractionation of eastern equine encephalitis virus by density gradient centrifugation in CsCl. *J. Virol.* 2:972-978.

1378

Eigelsbach, Henry T. 1968. Tularemia prophylaxis; alpha to omega, p. 81-94. In Albert Balows (ed.) *Essays in microbiology in honor of Morris Scherago*. University of Kentucky Press, Lexington, Kentucky.

1379

Wiswesser, William J. 1968. 107 Years of line-formula notations (1861-1968). *J. Chem. Doc.* 8:146-150.

1380

Rowley, Wayne A.; Graham, Charles L.; Williams, Robert E. 1968.
A flight mill system for the laboratory study of mosquito flight. Ann.
Entomol. Soc. Amer. 61:1507-1514.

1381

Zebovitz, Eugene; Brown, Arthur. 1968. Interference among group A
arboviruses. J. Virol. 2:1283-1289.

1382

Janssen, W.A.; Surgalla, M.J. 1968. Morphology, physiology, and serology
of a Pasteurella species pathogenic for white perch (Roccus americanus).
J. Bacteriol. 96:1606-1610.

1383

Surgalla, M.J.; Andrews, A.W.; Cavanaugh, Dorothy M. 1968. Studies on
virulence factors of "Pasteurella pestis" and "Pasteurella pseudotuberculosis."
Symp. Ser. Immunobiol. Stand. 9:293-302.