The Ideal Antibiotic

GENTAMICIN REAGENT SOLUTION

Gentamicin Reagent Solution is rapidly becoming the antibiotic of choice in Tissue Culture, Virology and Clinical Laboratories because it has been shown to be effective against a broad spectrum of organisms.

GENTAMICIN IS:

☐ Effective against many strains of Mycoplasmas. ☐ Non-toxic for cell cultures. ☐ Stable over wide pH range. ☐ Thermostable.

☐ Does not interfere with virus stability, replication, or interferon production.

Please write if you would like a copy of our technical brochure.

Gentamicin Reagent Solution . . .
The Ideal Antibiotic.

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for effective non-cytotoxic bactericidal protection every test through

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Wide-spectrum bactericidal effectiveness/
Pseudomonacidal,
Mycoplasmacidal
Gentamicin provides in vitro antibiotic activity against a wide variety of Gram-negative and Gram-positive bacteria. Unlike traditional pen-strep, it hits common contaminants such as Pseudomonas and many strains of Mycoplasma, which adversely affect growth of cell cultures and viruses.

No adverse cytotoxic effects/no interference in growth of RNA, DNA viruses
Gentamicin induced no cytotoxic effects on a wide variety of cell types including those of human, monkey, mouse, fish, bovine, and hamster origins, at the recommended concentration. The reagent did not interfere with growth of RNA-containing viruses (rubella, mumps, Newcastle disease virus, rhinovirus, echo-11, etc.) and DNA-containing viruses (herpes simplex, vaccinia). Moreover, Gentamicin was not viricidal against RNA-containing and DNA-containing viruses at 40X, nor was interferon affected at 20X recommended concentration.

Heat and pH stable/ideal for transport,
long-term tissue cultures or virus studies
Gentamicin is completely stable at pH 2-10 at 37°C for at least 15 days (see chart); stable to autoclaving and not affected by serum. Opposite this, pen-strep activity is significantly reduced under one or more such conditions. Combined advantages of stability, no effects on replication of viruses, and no influence on detection or synthesis of interferon make Gentamicin uniquely useful for long-term tissue culture experiments, virus studies, and shipment of clinical specimens and tissue cultures.

References:
Because of chance

Chance is often the way scientific discoveries are made. Lab-Tek has developed a micro-tissue culture system for research and clinical studies that conserves costly materials, time, and space... and that's not by chance. Durable plastic chambers attached to a glass slide by a removable gasket simplify work. No tubes. No dishes. No need to transfer cells. Avoids dangers of contamination. The start-to-storage system assures you of a readable permanent record because it's on the slide. Lab-Tek's good manufacturing procedures insure reproducible results. Lab-Tek Tissue Culture CHAMBER/SLIDE is useful for growing clones, cell lines, and strains. We have many reports of how useful Tissue Culture CHAMBER/SLIDES are for ANA and other FA techniques but if by chance you've adapted our CHAMBER/SLIDE to some other useful technique, please let us know.

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أم أتى لندن، يسمى آزمود، يسمى

We speak English, French, Chinese, Hebrew and Swahili, but mostly we speak Immunoochemicals, and that is the language we speak best.

Does it seem strange that our goats graze the hills leading to Jerusalem and yet if we don’t leave the rabbit houses before 4:30 p.m., we get caught in the five o’clock rush back to the lab in Kankakee? Strange, perhaps, but our animals are certainly productive! Jointly, Miles-Yeda, Rehovot, Israel, and Miles Research Division, Kankakee, Illinois, produce over 150 different antisera, immunodiffusion plates, immunoochemical kits and immunoadsorbents.

We find our international environment stimulating, too. Our involvement with the Weizmann Institute of Science (we are right on the campus) plus the technological advances made at our Kankakee labs provide insight and background to produce the products you need.

We invite your questions, comments or suggestions. Again, we don’t care what the accent is—if you speak Immunoochemicals, we will understand you.

Reach us by phone in the U.S.A. at 815 939-4417, or in Israel at 03 95-29-22, or by letter through any of our offices listed.

Ask for P. K. or Tsvi.

Dr. P. K. Chung
Dr. T. Hirshfield

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