NCI-H295R Cell Growth Medium

820402

Discover the advanced NCI-H295R Cell Growth Medium, an expertly crafted nutrient solution specifically designed to foster the growth and maintenance of mammalian cell lines, including the specialized NCI-H295R cells. This medium stands out with its unique blend of Dulbecco's Modified Eagle Medium (DMEM) and Ham's F-12 (Nutrient Mixture F-12) in a precise 1:1 ratio, enriched with essential supplements to meet the intricate needs of cell culture.

Enhanced Formulation for Superior Cell Culture Performance

Supplemented Baseline: The basic medium is already rich, combining DMEM's high amino acid and vitamin concentrations with the diverse nutrients of Ham's F-12. To this potent mix, we've added 5% Fetal Bovine Serum (FBS), providing crucial growth factors, hormones, and proteins.

Tailored Additives: Beyond FBS, this medium is fortified with critical supplements including Insulin, Transferrin, Bovine Serum Albumin, Selenious Acid, and Lineloic Acid. These additions cater to specific cellular requirements, promoting enhanced cell growth, metabolic function, and overall health.

L-Glutamine Boost: The presence of L-glutamine further amplifies the medium's efficacy, supporting essential metabolic processes and encouraging robust cell proliferation.

Optimized for Cell Culture

pH Controlled Environment: Incorporating a bicarbonate buffer system and phenol red indicator, the medium ensures a stable pH environment. It is optimized for a 5% CO2 atmosphere, allowing for precise pH monitoring and adjustment.

Quality and Purity: Each lot of basic medium undergoes rigorous testing for sterility, mycoplasma, and bacteria, ensuring the medium's integrity. With a pH maintained medium, you can trust in the consistent quality and performance of this medium.

Handling and Storage

Maintain the medium's quality by storing it refrigerated at +2°C to +8°C, away from light. Avoid extremes, such as freezing or overheating, to preserve its efficacy. For partial use, gently warm the needed quantity at room temperature, ensuring the medium is brought to the appropriate condition without compromising its components.

Shelf life

With an 8-week shelf life from the manufacturing date, the NCI-H295R Cell Growth Medium is a reliable choice for your cell culture needs, ensuring the vitality and productivity of your research.

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