D-Glucose Solution (Dextrose Solution), 250 g/L

831105

Volume: 50 ml

Storage: +2°C to +8°C

Sterility: Sterile-filtered

D-(+)-Glucose Solution (Dextrose Solution) is a sterile, ready-to-use supplement containing the naturally occurring sugar D-(+)-glucose, a central component of cellular metabolism. Glucose is involved in essential biological processes such as energy production, glycosylation, and the formation of glycans that contribute to cellular structure and function.

Application and Benefits

This glucose solution is widely used as a supplement in cell culture media and in numerous cellular and molecular biology applications. As a primary carbon and energy source, glucose supports cell growth, proliferation, and metabolic activity. Its involvement in biosynthetic pathways also makes it critical for maintaining normal cellular physiology and experimental consistency.

Formulation and Usage

The solution is supplied at a high concentration of 250 g/L glucose, allowing flexible dilution into culture media according to experimental requirements. It is sterile-filtered to ensure suitability for contamination-sensitive applications. Store at +2°C to +8°C and handle aseptically to maintain product quality and stability.

For research use only. Not for use in diagnostic or therapeutic procedures. Not for use in humans or animals.

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