Sodium Pyruvate Solution (100 mM)

831101

Volume: 100 ml

Storage: +2°C to +8°C

Sterility: Sterile-filtered

Sodium Pyruvate Solution (100 mM) is a sterile, ready-to-use supplement designed to provide an additional, easily accessible energy source for cell culture media. Sodium pyruvate plays a key role in cellular energy metabolism and supports the growth of metabolically active and rapidly proliferating cells, such as tumor cells. Supplementation can enhance cell viability and help maintain metabolic stability in culture systems.

Application and Benefits

This solution is widely used in routine cell culture to enrich media with pyruvate and promote optimal growth conditions. It supports ATP production, may help reduce oxidative stress, and contributes to improved metabolic performance of cultured cells. Manufactured in cell culture–grade water and sterile-filtered, the product ensures consistent quality and reproducibility in research workflows.

Usage and Compatibility

The recommended final concentration for most cell culture applications is 1 mM sodium pyruvate, achieved by diluting the 100 mM stock solution 1:100 into complete culture medium. The solution is compatible with a wide range of basal media and mammalian cell lines. Store at +2°C to +8°C and protect from contamination to maintain product stability.

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

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