

## Non-essential Amino Acids (100x) | 840100

### Product Overview

Volume: 100 ml Storage: +2°C to +8°C Sterility: Sterile-filtered

**MEM Non-Essential Amino Acids (100x)** is a sterile supplement designed to enhance cell growth and viability in mammalian cell culture systems. The formulation corresponds to a 100x concentrate of the non-essential amino acids found in standard Minimum Essential Medium (MEM), allowing for direct supplementation of basal media with minimal preparation.

### Application and Benefits

This supplement provides an additional amino acid pool for rapidly proliferating cells or for cell lines that have lost the capacity to synthesize non-essential amino acids de novo. By alleviating the metabolic burden of biosynthesis, it supports improved growth kinetics, prolonged viability, and greater experimental consistency—especially in nutrient-sensitive or high-density cultures.

### Composition and Use

The solution includes glycine, L-alanine, L-asparagine, L-aspartic acid, L-glutamic acid, L-proline, and L-serine. It is compatible with MEM and most other standard media. To use, dilute 1:100 into the final culture medium. This product is sterile-filtered and ready to use without additional handling steps.

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