Non-Essential Amino Acid Solution (100X) for MEM

(NEAA (100X)) — Contains 7 Non-Essential Amino Acids in Cell Culture Water

Cat. No. CNEAA001

1. Product Description

Non-Essential Amino Acid Solution is a 100-fold concentrated solution (each at 10 mM) of 7 non-essential amino acids found in MEM, dissolved in Cell Culture Water (Cat. No. WAT 001). This supplement is used in MEM and other culture media to increase cell growth rate and viability. While normal cells can produce non-essential amino acids, supplementing them in media can enhance growth and survival for cells that cannot synthesize them or utilize them efficiently intracellularly.

2. Composition

Concentration: mg/L

Components	mg/L
L-Alanine	890.00
L-Asparagine·H_2O	1320.00
L-Aspartic Acid	1330.00
L-Glutamic Acid	1470.00
Glycine	750.00
L-Proline	1150.00
L-Serine	1050.00

3. Product Quality Specifications

Appearance	pH	Sterility
Colorless clear liquid	< pH 2.0	Sterile

4. Storage Conditions and Precautions

Protect from direct light and store refrigerated (2–8°C). Product degradation may appear as precipitates, floating particles, turbidity, or color change; discard if any are observed. Storing against the inner walls of a refrigerator where temperatures may approach 0°C can cause degradation.

5. Usage Instructions and Precautions

This product is a sterile solution. Open the cap only in a sterile environment (e.g., a clean bench) using aseptic technique. It is recommended to use the entire contents after opening; otherwise, aliquot into a suitable sterile container and store refrigerated (2–8°C).