

# MEM Non-essential Amino Acid Solution (100×)

## 1 Components

Component	HY-K3011-100 mL	HY-K3011-500 mL
MEM Non-essential Amino Acid Solution (100×)	100 mL	100 mL × 5

## 2 Introduction

MEM Non-essential Amino Acid Solution (100×) has been filtered and can be used directly, it adds nutrients and reduces the biosynthetic burden on cell *in vitro*.

The solution contains seven Non-essential amino acids: Glycine, L-Alanine, L-Glutamic acid, L-Proline, L-Serine, L-Asparagine and L-Aspartic acid.

Amino Acids	Molecular Weight	Concentration (g/L)	Concentration (mM)
Glycine	75	0.75	10.0
L-Alanine	89	0.89	10.0
L-Glutamic Acid	147	1.47	10.0
L-Proline	115	1.15	10.0
L-Serine	105	1.05	10.0
L-Asparagine	132	1.5	10.0
L-Aspartic Acid	133	1.33	10.0

## 3 Protocol

Usually, add in a 1:100 (v/v) ratio to medium for cell culture, or make appropriate adjustments according to cell type and medium.

## 4 Storage

4°C, one year.

## 5 Precautions

1. Store the Solution at -20°C, will extend the storage time appropriately.
2. This product is for R&D use only, not for drug, household, or other uses.
3. For your safety and health, please wear a lab coat and disposable gloves to operate.