

## Non-Essential Amino Acids (NEA) 100X Solution

Cat. No.	Pack Size
<b>MTE0355</b>	100 ml

For *in vitro* use only

### Reagent Composition:

L-Alanine, L-Asparagine, L-Aspartic Acid, L- Glutamic Acid, Glycine, L-Proline and L-Serine in cell culture grade H<sub>2</sub>O.

### Description:

Cells that have lost the ability to synthesise non-essential amino acids, have to be supplemented with a **NEA** solution. The addition of an amino acid pool allows for strong proliferating cells.

Adding supplements of amino acids to the media both stimulates growth and prolongs the viability of cells in culture. This concentrated supplement adds nutrients and reduces the biosynthetic burden on cell *in vitro*.

### Formulation

Formulation	mg / litre
<b>Amino Acids</b>	
L-Alanine	890.00
L-Asparagine	1320.00
L-Aspartic Acid	1330.00
L-Glutamic Acid	1470.00
L-Glycine	750.00
L-Proline	1150.00
L-Serine	1050.00

**pH:** 3.0 – 4.0

**Storage:** +2°C to +8°C

**Cell culture:** Tested

**Sterility:** Tested

### Safety warnings and precautions:

Only persons trained in laboratory techniques should handle this product and its components. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

*Some applications this product is used in may require a license, which is not provided by the purchase of this product. Users should obtain the license if required.*

### Related products:

Cat. No.	Product	Pack Size
<b>MTE0347</b>	<b>IMDM</b> , (wo L-Glutamine, w 25mM HEPES, wo sodium hydrogen pyruvate)	500 ml
<b>MTE0348</b>	<b>DMEM</b> , (w 4,5g/L Glucose, wo L-Glutamine, wo sodium pyruvate, wo sodium hydrogen pyruvate)	500 ml
<b>MTE0349</b>	<b>Ham's F12</b> , (w L-Glutamine, wo sodium hydrogen pyruvate)	500 ml
<b>MTE0350</b>	<b>Glasgow-MEM</b> , (w L-Glutamine, wo Tryptose/Phosphate-Boullion, wo sodium hydrogen pyruvate)	500 ml
<b>MTE0352</b>	<b>Penicillin/Streptomycin</b> (10000IU/10000 ug/ml,100x)	100 ml
<b>MTE0353</b>	<b>L-Glutamine</b> 200mM	100 ml
<b>MTE0354</b>	<b>Cell freezing mix</b> (FCS/DMSO)	50 ml
<b>MTE0356</b>	<b>Sodium Pyruvate</b> 100mM	100 ml
<b>MTE0357</b>	<b>1X PBS</b> (without Ca <sup>+2</sup> , Mg <sup>+2</sup> )	500 ml
<b>MTE0358</b>	<b>Trypsin/EDTA</b> (0.05% / 0.02% in PBS)	100 ml