



## MEM Non Essential Amino Acids Solution 50X

**Product Code: ACL005**

### Product Description :

ACL005 is a 50X concentrate of non essential amino acid present in the Minimum Essential Medium (MEM). Addition of amino acid supplement to medium stimulates growth and prolongs viability of cells in culture.

ACL005 is a sterile filtered MEM non essential amino acid solution prepared in cell culture grade water.

### Composition

Ingredients	mg/L
<b>AMINO ACIDS</b>	
Glycine	375.000
L-Alanine	445.000
L-Asparagine monohydrate	750.000
L-Aspartic acid	665.000
L-Glutamic acid	735.000
L-Proline	575.000
L-Serine	525.000

### Directions :

For preparing 1X concentration of amino acid solution use 20 ml of 50X solution of ACL005 per litre of medium i.e 20 ml of 50X solution ACL005 contains 1X amino acids.

### Quality Control:

#### Appearance

Clear, colourless solution

#### pH

3.20 -3.80

### Osmolality in mOsm/Kg H<sub>2</sub>O

20.00 - 60.00

### Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification

### Cultural Response

The growth promotion capacity of the amino acid solution is assessed qualitatively by analyzing the cells for themorphology and quantitatively by estimating the cell counts and comparing it with a control amino acid solution through minimum three subcultures.

### Endotoxin Content

NMT 1EU/ml

### Storage and shelf Life:

Store at 2 - 8°C.

Shelf life of the product is 18 months.

Use before expiry date given on the product label

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#### Disclaimer :

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