

# MEM Glasgow's Modification Amino Acids Solution 100X

Without L-Glutamine

**Product Code: ACL003**

## Product Description :

ACL003 is a 100X concentrate of various amino acids present in Glasgow's Minimum Essential Medium (GMEM). Addition of amino acid supplement to medium stimulates growth and prolongs viability of cells in culture.

ACL003 is a sterile filtered GMEM amino acid solution prepared in cell culture grade water. It does not contain L-glutamine.

## Composition :

| Ingredients               | mg/L     |
|---------------------------|----------|
| <b>AMINO ACIDS</b>        |          |
| L-Arginine hydrochloride  | 4200.000 |
| L-Cystine                 | 2400.000 |
| L-Histidine hydrochloride | 2100.000 |
| L-Isoleucine              | 5240.000 |
| L-Leucine                 | 5240.000 |
| L-Lysine hydrochloride    | 7310.000 |
| L-Methionine              | 1500.000 |
| L-Phenylalanine           | 3300.000 |
| L-Threonine               | 4760.000 |
| L-Tryptophan              | 800.000  |
| L-Tyrosine disodium salt  | 5200.000 |
| L-Valine                  | 4680.000 |

## Directions :

For preparing 1X concentration of amino acid solution use 10ml of 100X solution of ACL003 per litre of medium i.e. 10ml of 100X solution ACL003 contains 1X amino acids.

## Quality Control:

### Appearance

Clear, colourless solution

### pH

11.50 -12.50

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

600.00 -800.00

### 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 the morphology and quantitatively by estimating the cell counts and comparing it with a control amino acid solution through minimum three subcultures.

### Endotoxin Content

NMT 5EU/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

Revision: 1 / 2011

## Disclaimer :

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