



## MEM Amino Acids Solution 100X

Without L-Glutamine

**Product Code: ACL002**

### Product Description:

ACL002 is a liquid 100X concentrate of various amino acids present in Minimum Essential Medium (MEM). Addition of amino acid supplement to medium stimulates growth and prolongs viability of cells in culture. ACL002 is a sterile filtered MEM amino acid solution prepared in cell culture grade water.

### Composition:

Ingredients	mg/L
<b>AMINO ACIDS</b>	
L-Arginine hydrochloride	12600.000
L-Cystine dihydrochloride	3130.000
L-Histidine hydrochloride monohydrate	4200.000
L-Isoleucine	5200.000
L-Leucine	5200.000
L-Lysine hydrochloride	7250.000
L-Methionine	1500.000
L-Phenylalanine	3200.000
L-Threonine	4800.000
L-Tryptophan	1000.000
L-Tyrosine disodium salt dihydrate	5190.000
L-Valine	4600.000

### Quality Control:

#### Appearance

Clear to yellowish solution

#### pH

10.00 -12.00

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

700.00- 1100.00

#### 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.

#### 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

### Directions:

For preparing 1X concentration of amino acid solution use 10 ml of 100X solution of ACL002 per litre of medium i.e 10 ml of 100X solution ACL002 contains 1X amino acids.

#### Disclaimer :

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