

MEM Glasgow Modification Amino Acids 50X

Without L-Glutamine

Product Code: AC003

Product Description :

AC003 is a powdered 50X 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.

Composition :

Ingredients	mg/L
AMINO ACIDS	
L-Cystine	1200.000
L-Arginine hydrochloride	2100.000
L-Histidine hydrochloride	1050.000
L-Isoleucine	2620.000
L-Leucine	2620.000
L-Lysine hydrochloride	3655.000
L-Methionine	750.000
L-Phenylalanine	1650.000
L-Threonine	2380.000
L-Tryptophan	400.000
L-Tyrosine sodium salt	2600.000
L-Valine	2340.000

Directions :

1. Suspend 23.4gms in 900ml tissue culture grade water with constant, gentle stirring until the powder is completely dissolved.
2. Solution will not be completely clear. Adjust the pH to 12 till the solution becomes totally clear.
3. Make up the final volume to 1000ml with tissue culture grade water.
4. Sterilize the solution immediately by filtering through a sterile membrane filter with a porosity of 0.22 micron or less.
5. Dispense as desired.
6. Store liquid solution at 2-8°C and in dark till use.

Material required but not provided :

Tissue culture grade water (TCL010)
1N Hydrochloric acid (TCL003)
1N Sodium hydroxide (TCL002)

Quality Control:

Appearance

White to Off-white, homogenous powder.

Solubility

Clear solution at 23.4gms/L.

Cultural Response

The growth promotion capacity of the medium is assessed qualitatively by analyzing the cells for the morphology and quantitatively by estimating the cell counts and comparing it with a control medium through three subcultures.

Endotoxin Content

NMT 1 EU/ml

Storage and Shelf Life:

Store at 2 - 8°C.

Shelf life of the product is 36 months.

Use before expiry date given on the product label.

Revision: 2 / 2022

Disclaimer :

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