

Product Information

MEM Amino Acids Solution 50X

CATALOG NO. 58252C

Description

Adding supplements of amino acids to media both stimulates growth and prolongs the viability of cells in culture. This concentrated supplement adds nutrients and reduces the biosynthetic burden of cells *in vitro*. All solutions are sterile filtered and screened for cytotoxicity.

Formulation

Component (all components measured in mg/L)	
AMINO ACIDS	
L-arginine HCl	6349.000
L-cystine 2HCl	1564.000
L-histidine HCl monohydrate	2094.000
L-isoleucine	2600.000
L-leucine	2600.000
L-lysine HCl	3623.500
L-methionine	750.000
L-phenylalanine	1600.000
L-threonine	2400.000
L-tryptophan	500.000
L-tyrosine 2Na dihydrate	2595.000
L-valine	2300.000

Indications of Deterioration

Supplement should be clear of particulates and flocculent material. Do not use if supplement is cloudy or contains precipitate. Other evidence of deterioration may include color change as well as degradation of physical or performance characteristics.

Characteristics

Appearance

Clear colorless solution

Endotoxin (LAL)

≤ 1.0 EU/mL

Osmolality

480 - 540 mOsm/kg H₂O

pH

1.0 - 1.4

Sterility

No microbial growth detected

Precautions

Use aseptic technique when handling this supplement. This product is for further manufacturing use. THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

Storage

To effectively preserve the integrity of this supplement, it should be stored frozen and protected from light. For stability and optimal performance, this product should be stored at -10 to -40 C. Do not use after the expiration date. Multiple freeze/thaw cycles can hasten the degradation process and should be avoided.

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Issued December 2006 P58252
0103 0905 1005 0406 0906

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