

Product Information

MEM Vitamins Solution 100X

CATALOG NO. 58970C

Description

Adding supplements of vitamins 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)	
INORGANIC SALTS	
Sodium chloride	8500.000
VITAMINS	
D-calcium pantothenate	100.000
Choline chloride	100.000
Folic acid	100.000
i-inositol	200.000
Niacinamide	100.000
Pyridoxal HCl	100.000
Riboflavin	10.000
Thiamine HCl	100.000

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.

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 yellowish solution

Endotoxin (LAL)

≤ 1.0 EU/mL

Osmolality

260 - 300 mOsm/kg H₂O

pH

Refer to Certificate of Analysis for lot-specific value

Sterility

No microbial growth detected

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