



Dehydrated Culture Media
Bases / Media Supplements

Technical Information

MEM Vitamin Solution 100X Sterile filtered

Product Code : VA1002

Application:-

VA1002 is a 100X concentrate of various vitamins present in Minimum Essential Medium (MEM). Addition of vitamin supplement to medium stimulates growth and prolongs viability of cells in culture. VA1002 is a sterile filtered MEM vitamin solution prepared in 0.85% normal saline.

Composition**

Ingredients	mg / Litre
VITAMINS	
Choline chloride	100.000
D-Ca-Pantothenate hemicalcium	100.000
Folic acid	100.000
Nicotinamide	100.000
Pyridoxal hydrochloride	100.000
Riboflavin	10.000
Thiamine hydrochloride	100.000
i-Inositol	200.000

Methodology

For preparing 1X concentration of vitamin solution use 10ml of 100X solution of VA1002 per litre of medium i.e. 10ml of 100X solution VA1002 contains 1X vitamins.

Quality Control

Appearance

Yellow colored, clear solution.

pH

7.20 -7.80

Osmolality in mOsm/Kg H₂O

255.00-310.00

Cultural Response

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

Endotoxin content

NMT 5EU/ml

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.



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Storage and Shelf Life

Store at -20°C.

Shelf life of the product is 12 months.

Use before expiry date given on the product label.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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