

MEM Vitamin Solution 100X

Product Code: VA002

Product Description :

VA002 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.

VA002 is a sterile filtered MEM vitamin solution prepared in 0.85% normal saline.

Composition :

Ingredients	mg/L
VITAMINS	
Choline chloride	100.000
D-Ca-Pantothenate hemicalcium	100.000
Folic acid	100.000
Niacinamide	100.000
Pyridoxine hydrochloride	100.000
Riboflavin	10.000
Thiamine hydrochloride	100.000
i-Inositol	200.000

Directions :

For preparing 1X concentration of vitamin solution use 10ml of 100X solution of VA002 per litre of medium i.e. 10ml of 100X solution VA002 contains 1X vitamins.

Quality Control:

Appearance

Yellow colored, clear solution.

pH

7.20 -7.80

Osmolality in mOsm/Kg H2O

255.00 -310.00

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 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

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.

Revision: 1 / 2011

Disclaimer :

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