

# RPMI 1640 Vitamin Solution 100X

**Product Code: VA003**

## Product Description :

VA003 is a 100X concentrate of various vitamins present in RPMI 1640. Addition of vitamin supplement to medium stimulates growth and prolongs viability of cells in culture.

VA003 is a sterile filtered RPMI 1640 vitamin solution prepared in Dulbecco's Phosphate Buffered Saline.

## Composition :

Ingredients	mg/L
<b>VITAMINS</b>	
Choline chloride	300.000
D-Biotin	20.000
D-Ca-Pantothenate hemicalcium	25.000
Folic acid	100.000
Niacinamide	100.000
Pyridoxine hydrochloride	100.000
Riboflavin	20.000
Thiamine hydrochloride	100.000
Vitamin B12	0.500
i-Inositol	3500.000
p-Aminobenzoic acid (PABA)	100.000

## Directions :

For preparing 1X concentration of vitamin solution use 10ml of 100X solution of VA003 per litre of medium i.e. 10ml of 100X solution VA003 contains 1X vitamins.

## Quality Control:

### Appearance

Yellow colored, clear solution.

### Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ Publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

### pH

7.00 -7.60

### Osmolality in mOsm/Kg H2O

290.00 -330.00

### 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.

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