

mg/Litre

20.000

50.000 50.000

40.000

15.000

15.000

20.000

30.000

20.000

5.000

28.830

20.000



Product Specification

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Technical Information

RPMI-1640

With L-Glutamine and Sodium bicarbonate 1X Liquid Cell Culture Medium

Product Code: AL1028A

Composition**

Ingredients

L-Hydroxyproline

L-Lysine hydrochloride

L-Tyrosine disodium salt

L-Isoleucine

L-Methionine

L-Phenylalanine

L-Leucine

L-Proline

L-Serine

L-Valine

L-Threonine

L-Tryptophan

Application:-Roswell Park Memorial Institute (RPMI) media are a series of media developed by Moore et al for the culture of human normal and neoplastic cells in vitro. RPMI 1640 is the most commonly used medium in the series. A modification of McCoy's 5A medium, the medium was specifically designed to support the growth of human lymphoblastoid cells in suspension culture. Presently the medium is extensively used for a wide range of anchorage dependant cell lines. The medium needs to be supplemented with 5-20% fetal bovine serum. The medium is also known to support growth of cells in the absence of serum.

AL1028A is RPMI 1640 with L-glutamine and sodium bicarbonate. Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements specific for different cell lines.

100.000
48.840
400.000
2000.000
6000.000
800.000
10.000
241.000
50.000
20.000
65.200
20.000
300.000
20.960





Product Specification

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Choline chloride 3.000 D-Biotin 0.200 D-Ca-Pantothenate 0.250 Folic acid 1.000 Niacinamide 1.000 Pyridoxine hydrochloride 1.000 0.200 Riboflavin Thiamine hydrochloride 1.000 Vitamin B12 0.005 i-Inositol 35.000 p-Amino benzoic acid 1.000 (PABA)

p-Amino benzoic acid (PABA)

OTHERS

D-Glucose 2000.000
Glutathione reduced 1.000
Phenol red sodium salt 5.300

Quality Control

Appearance

Orangish red colored, clear solution.

рΗ

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.

1.000

Cultural Response

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

Endotoxin Content

NMT 5EU/ml

Storage and Shelf Life

Store at 2-8°C away from bright light. Shelf life 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.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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