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RPMI-1640 Medium

Cat. #: C0125 Size: 4×500 ml

Introduction

RPMI-1640 Medium was originally developed to culture human leukemiccells in suspension and as a monolayer. RPMI-1640 Medium has since been foundsuitable for a variety of mammalian cells, including HeLa, Jurkat, MCF-7, PC12, PBMC, astrocytes, and hybridomas. RPMI-1640Medium requires supplementation, commonlywith 10% Fetal Bovine Serum (FBS).

Package Information

Component	C0125
RPMI-1640 Medium	4×500 ml

Storage

Stored at 2°C~8°C, away fromlight, the shelflife is 12 months. Avoid repeated freezing and thawing.

Specifications

Volume	500mL
Supplementation	Need additional
Glutamine	L-Glutamine
Phenol Red	Phenol Red
Antibiotics	No Antibiotics
Sodium Pyruvate	No Sodium Pyruvate
Sodium Bicarbonate	Sodium Bicarbonate
HEPES Buffer	No HEPES
pH	7.0-7.6
Osmolality	265~305 mOsmol/kg
Endotoxin	<0.3 EU/mL

Formulation

Components	mg/L
Amino Acids	
Glycine	10
L-Arginine (free base)	200
L-Asparagine (anhyd.)	50
L-Aspartic Acid	20
L-Cystine•2HCl	65
L-Glutamic Acid	20
L-Glutamine	300
L-Histidine (free base)	15
L-Hydroxyproline	20
L-Isoleucine	50
L-Leucine	50
L-Lysine•HCl	40
L-Methionine	15
L-Phenylalanine	15
L-Proline	20
L-Serine	30
L-Threonine	20
L-Tryptophan	5
L-Tyrosine•2Na•2H_2O	29
L-Valine	20
Vitamins	
D-Biotin	0.2
Choline chloride	3
Folic Acid	1
myo-Inositol	35
Niacinamide	1
p-Amino Benzoic Acid	1
D-Pantothenic Acid•1/2 Ca	0.25
Pyridoxal•HCl	1
Riboflavin	0.2
Thiamine•HCl	1
Vitamin B-12	0.005
Inorganic Salts	
$Ca(NO_3)_2$•4H_2O	100
$MgSO_4$ (anhyd.)	48.84
KCl	400
$NaHCO_3$	2000
NaCl	6000
NaH_2PO_4 (anhyd.)	800
Other	
D-Glucose	2000
Glutathione (reduced)	1
Phenol Red•Na	5

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