

RPMI-1640 Medium

Formulation



Catalog No. 30-2001

Inorganic Salts (g/liter)

Ca(NO ₃) ₂ ·4H ₂ O	0.10000
MgSO ₄ (anhydrous)	0.04884
KCl	0.40000
NaHCO ₃	1.50000
NaCl	6.00000
Na ₂ HPO ₄ (anhydrous)	0.80000

Amino Acids (g/liter)

L-Arginine (free base)	0.20000
L-Asparagine·H ₂ O	0.05682
L-Aspartic Acid	0.02000
L-Cystine·2HCl	0.06520
L-Glutamic Acid	0.02000
L-Glutamine	0.30000
Glycine	0.01000
L-Histidine (free base)	0.01500
Hydroxy-L-Proline	0.02000
L-Isoleucine	0.05000
L-Leucine	0.05000
L-Lysine·HCl	0.04000
L-Methionine	0.01500
L-Phenylalanine	0.01500
L-Proline	0.02000
L-Serine	0.03000
L-Threonine	0.02000
L-Tryptophan	0.00500
L-Tyrosine·2Na·2H ₂ O	0.02883
L-Valine	0.02000

Vitamins (g/liter)

D-Biotin	0.00020
Choline Chloride	0.00300
Folic Acid	0.00100
myo-Inositol	0.03500
Nicotinamide	0.00100
p-Amino Benzoic Acid	0.00100
D-Pantothenic Acid (hemicalcium)	0.00025
Pyridoxine·HCl	0.00100
Riboflavin	0.00020
Thiamine·HCl	0.00100
Vitamin B-12	0.000005

Other (g/liter)

D-Glucose	4.50000
Glutathione (reduced)	0.00100
HEPES	2.38300
Phenol Red, Sodium Salt	0.00500
Sodium Pyruvate	0.11000