



Media Formulation

RPMI 1640 Powder

Cat. No.: CC129-1000

Components	Concentration (mg/L)
Amino Acids	
Glycine	10.0
L-Arginine	200.0
L-Asparagine	50.0
L-Aspartic acid	20.0
L-Cystine 2HCl	65.0
L-Glutamic Acid	20.0
L-Glutamine	300.0
L-Histidine	15.0
L-Hydroxyproline	20.0
L-Isoleucine	50.0
L-Leucine	50.0
L-Lysine hydrochloride	40.0
L-Methionine	15.0
L-Phenylalanine	15.0
L-Proline	20.0
L-Serine	30.0
L-Threonine	20.0
L-Tryptophan	5.0
L-Tyrosine disodium salt dehydrate	29.0
L-Valine	20.0
Vitamins	
Biotin	0.2

Components	Concentration (mg/L)
Choline chloride	3.0
D-Calcium pantothenate	0.25
Folic Acid	1.0
Niacinamide	1.0
Para-Aminobenzoic Acid	1.0
Pyridoxine hydrochloride	1.0
Riboflavin	0.2
Thiamine hydrochloride	1.0
Vitamin B12	0.005
i-Inositol	35.0
Inorganic Salts	
Calcium nitrate (Ca(NO ₃) ₂ ·4H ₂ O)	100.0
Magnesium Sulfate (MgSO ₄)(anhyd.)	48.84
Potassium Chloride (KCl)	400.0
Sodium Chloride (NaCl)	5850.0
Sodium Phosphate dibasic (Na ₂ HPO ₄)(anhyd.)	800.0
Other Components	
D-Glucose (Dextrose)	2000.0
Glutathione (reduced)	1.0
HEPES	5958.0
Phenol Red	5.0