



Media Formulation

DMEM, High Glucose Cat. No.: CC107-0500

Components	Concentration (mg/L)
Amino Acids	
Glycine	30.0
L-Arginine hydrochloride	84.0
L-Cystine 2HCl	63.0
L-Glutamine	584.0
L-Histidine hydrochloride-H ₂ O	42.0
L-Isoleucine	105.0
L-Leucine	105.0
L-Lysine hydrochloride	146.0
L-Methionine	30.0
L-Phenylalanine	66.0
L-Serine	42.0
L-Threonine	95.0
L-Tryptophan	16.0
L-Tyrosine disodium salt dihydrate	104.0
L-Valine	94.0
Vitamins	
Choline chloride	4.0
D-Calcium pantothenate	4.0

Components	Concentration (mg/L)
Folic Acid	4.0
Niacinamide	4.0
Pyridoxine hydrochloride	4.0
Riboflavin	0.4
Thiamine hydrochloride	4.0
i-Inositol	7.2
Inorganic Salts	
Calcium Chloride (CaCl ₂) (anhyd.)	200.0
Ferric Nitrate (Fe(NO ₃) ₃ ·9H ₂ O)	0.1
Magnesium Sulfate (MgSO ₄) (anhyd.)	97.67
Potassium Chloride (KCl)	400.0
Sodium Bicarbonate (NaHCO ₃)	3700.0
Sodium Chloride (NaCl)	4750.0
Sodium Phosphate monobasic (NaH ₂ PO ₄ ·H ₂ O)	125.0
Other Components	
D-Glucose (Dextrose)	4500.0
HEPES	5958.0