

DMEM High Glucose Medium Formula

Components	Concentration (mg/L)
Amino Acids	
Glycine	30
L-Arginine hydrochloride	84
L-Cystine 2HCl	63
L-Glutamine	584
L-Histidine hydrochloride-H ₂ O	42
L-Isoleucine	105
L-Leucine	105
L-Lysine hydrochloride	146
L-Methionine	30
L-Phenylalanine	66
L-Serine	42
L-Threonine	95
L-Tryptophan	16
L-Tyrosine disodium salt dihydrate	104
L-Valine	94
Vitamins	
Choline chloride	4
D-Calcium pantothenate	4
Folic Acid	4
Niacinamide	4
Pyridoxine hydrochloride	4
Riboflavin	0.4
Thiamine hydrochloride	4
i-Inositol	7.2
Inorganic Salts	
Calcium Chloride (CaCl ₂) (anhyd.)	200
Ferric Nitrate (Fe(NO ₃) ₃ 9H ₂ O)	0.1
Magnesium Sulfate (MgSO ₄) (anhyd.)	97.67
Potassium Chloride (KCl)	400
Sodium Chloride (NaCl)	6400
Sodium Phosphate monobasic (NaH ₂ PO ₄ H ₂ O)	125
Other Components	
D-Glucose (Dextrose)	4500
Phenol Red	15