

Dulbecco's Modified Eagle's Medium (DMEM) Formulation



Catalog No. 30-2002

Inorganic Salts (g/liter)

CaCl ₂ (anhydrous)	0.20000
Fe(NO ₃) ₃ ·9H ₂ O	0.00010
MgSO ₄ (anhydrous)	0.09770
KCl	0.40000
NaHCO ₃	1.50000
NaCl	6.40000
NaH ₂ PO ₄ ·H ₂ O	0.12500

Amino Acids (g/liter)

L-Arginine·HCl	0.08400
L-Cystine·2HCl	0.06260
L-Glutamine	0.58400
Glycine	0.03000
L-Histidine·HCl·H ₂ O	0.04200
L-Isoleucine	0.10500
L-Leucine	0.10500
L-Lysine·HCl	0.14600
L-Methionine	0.03000
L-Phenylalanine	0.06600
L-Serine	0.04200
L-Threonine	0.09500
L-Tryptophan	0.01600
L-Tyrosine·2Na·2H ₂ O	0.10379
L-Valine	0.09400

Vitamins (g/liter)

Choline Chloride	0.00400
Folic Acid	0.00400
myo-Inositol	0.00720
Nicotinamide	0.00400
D-Pantothenic Acid (hemicalcium)	0.00400
Pyridoxine·HCl	0.00400
Riboflavin	0.00040
Thiamine·HCl	0.00400

Other (g/liter)

D-Glucose	4.50000
Phenol Red, Sodium Salt	0.01500
Sodium Pyruvate	0.11000