



Formulation for Eagle's Minimum Essential Medium (EMEM) ATCC® 30-2003

Inorganic Salts (g/liter)

CaCl ₂ (anhydrous)	0.20000
MgSO ₄ (anhydrous)	0.09767
KCl	0.40000
NaHCO ₃	1.50000
NaCl	6.80000
NaH ₂ PO ₄ ·H ₂ O	0.14000

Amino Acids (g/liter)

L-Alanine	0.00890
L-Arginine·HCl	0.12640
L-Asparagine·H ₂ O	0.01500
L-Aspartic Acid	0.01330
L-Cystine·2HCl	0.03120
L-Glutamic Acid	0.01470
L-Glutamine	0.29200
Glycine	0.00750
L-Histidine·HCl·H ₂ O	0.04190
L-Isoleucine	0.05250
L-Leucine	0.05250
L-Lysine·HCl	0.07250
L-Methionine	0.01500
L-Phenylalanine	0.03250
L-Proline	0.01150
L-Serine	0.01050
L-Threonine	0.04760
L-Tryptophan	0.01000
L-Tyrosine·2Na·2H ₂ O	0.05190
L-Valine	0.04680

Vitamins (g/liter)

Choline Chloride	0.00100
Folic Acid	0.00100
myo-Inositol	0.00200
Nicotinamide	0.00100
D-Pantothenic Acid (hemicalcium)	0.00100
Pyridoxine·HCl	0.00100
Riboflavin	0.00010
Thiamine·HCl	0.00100

Other (g/liter)

D-Glucose	1.00000
Phenol Red, Sodium Salt	0.01000
Sodium Pyruvate	0.11000