

MEM Liquid Medium Formula

Components	Concentration (mg/L)
Amino Acids	
L-Arginine hydrochloride	126.64
L-Cystine 2HCl	31
L-Glutamine	292
L-Histidine hydrochloride-H ₂ O	42
L-Isoleucine	52
L-Leucine	52
L-Lysine hydrochloride	72.5
L-Methionine	15
L-Phenylalanine	32
L-Threonine	48
L-Tryptophan	10
L-Tyrosine disodium salt	52
L-Valine	46
Vitamins	
Choline chloride	1
D-Calcium pantothenate	1
Folic Acid	1
Niacinamide	1
Pyridoxal hydrochloride	1
Riboflavin	0.1
Thiamine hydrochloride	1
i-Inositol	2
Inorganic Salts	
Calcium Chloride (CaCl ₂) (anhyd.)	200
Magnesium Sulfate (MgSO ₄) (anhyd.)	97.67
Potassium Chloride (KCl)	400
Sodium Chloride (NaCl)	6800
Sodium Bicarbonate (NaHCO ₃)	2200
Sodium Phosphate monobasic (NaH ₂ PO ₄ -H ₂ O)	140
Other Components	
D-Glucose (Dextrose)	1000
Phenol Red	10