



Minimum Essential Medium with Earl's Buffer (MEM)

Cat #: P3S310122

Standard Formulation

Amino Acids	g/liter	Vitamins	g/liter
L-Arginine· HCl	0.126	Choline Chloride	0.001
L-Cystine. 2HCl	0.031	Folic Acid	0.001
L-Glutamine	0.292	myo-Inositol	0.002
L-Histidine·HCl·H2O	0.042	Nicotinamide	0.001
L-Isoleucine	0.052	D-Calcium pantothenate	0.001
L-Leucine	0.052	Pyridoxine·HCl	0.001
L-Lysine· HCl	0.073	Riboflavin	0.0001
L-Methionine	0.015	Thiamine· HCl	0.001
L-Phenylalanine	0.032	Others	g/liter
L-Threonine	0.048	Phenol Red, Sodium Salt	0.010
L-Tryptophan	0.010	D-Glucose	1.0
L-Tyrosine·2Na·2H2O	0.052		
L-Valine	0.046		
Inorganic Salts	g/liter		
CaCl ₂ (anhydrous)	0.2		
MgSO ₄ (anhydrous)	0.098		
KCl	0.4		
Sodium Bicarbonate (NaHCO ₃)	2.2		
Sodium Chloride (NaCl)	6.8		
NaH ₂ PO ₄ ·H ₂ O	0.140		