



PurMa Biologics, LLC

Minimum Essential Medium Alpha with Nucleosides in Earl's Buffer (MEM- α -N)

Cat No: P3S310124

Standard Formulation

Amino Acids	g/liter	Vitamins	g/liter
Glycine	0.050	Choline Chloride	0.001
L-Alanine	0.025	Folic Acid	0.001
L-Arginine·HCl	0.127	myo-Inositol	0.002
L-Asparagine·H ₂ O	0.050	Nicotinamide	0.001
L-Aspartic acid	0.030	D-Calcium pantothenate	0.001
L-Cysteine·HCl·H ₂ O	0.1	Pyridoxine·HCl	0.001
L-Cystine·2HCl 2HCl	0.031	Riboflavin	0.0001
L-Glutamic Acid	0.075	Thiamine· HCl	0.001
L-Glutamine	0.292	Biotin	0.0001
L-Histidine·HCl·H ₂ O	0.042	Vitamin B12	0.00136
L-Isoleucine	0.0524	Ascorbic Acid	0.050
L-Leucine	0.052	Others	g/liter
L-Lysine·HCl	0.073	Phenol Red, Sodium Salt	0.010
L-Methionine	0.015	D-Glucose	1.0
L-Phenylalanine	0.032	Lipoic Acid	0.0002
L-Proline	0.040	Sodium Pyruvate	0.11
L-Serine	0.025	Ribonucleosides	g/liter
L-Threonine	0.048	Adenosine	0.01
L-Tryptophan	0.010	Cytidine	0.01
L-Tyrosine disodium salt	0.052	Guanosine	0.01
L-Valine	0.046	Uridine	0.01
Inorganic Salts	g/liter	Deoxyribonucleosides	g/liter
CaCl ₂ (anhydrous)	0.2	2'Deoxyadenosin	0.01
MgSO ₄ (anhydrous)	0.09767	2'Deoxyctidine HCl	0.011
KCl	0.4	2'Deoxyguanosine	0.01
Sodium Bicarbonate (NaHCO ₃)	2.2	Thymidine	0.01
Sodium Chloride (NaCl)	6.8		
NaH ₂ PO ₄ ·H ₂ O	0.140		