

**Base Formulation of Minimum Essential Medium Alpha
with Nucleosides in Hanks' Buffer (CD-MEM- α -N)**
 Containing PurMa™ GlutaSup (2 mM L-Alanyl-L-Glutamine) (434mg/L)
Cat No: P3C310126
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	0.105	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	0.024	Riboflavin	0.0001
L-Glutamic Acid	0.075	Thiamine· HCl	0.001
L-Alanyl-L-Glutamine	0.434	Biotin	0.0001
L-Histidine	0.031	Vitamin B12	0.00136
L-Isoleucine	0.0524	Ascorbic Acid	0.050
L-Leucine	0.0524	Others	g/liter
L-Lysine	0.058	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	0.036	Guanosine	0.01
L-Valine	0.046	Uridine	0.01
Inorganic Salts	g/liter	Deoxyribonucleosides	g/liter
CaCl ₂ (anhydrous)	0.140	2'Deoxyadenosin	0.01
MgSO ₄ (anhydrous)	0.098	2'Deoxycytidine HCl	0.01
KCl	0.4	2'Deoxyguanosine	0.01
KH ₂ PO ₄	0.060	Thymidine	0.01
Sodium Bicarbonate (NaHCO ₃)	0.35		
Sodium Chloride (NaCl)	8.0		
NaH ₂ PO ₄ (anhydrous)	0.048		