



**Advanced Minimum Essential Medium Alpha with Nucleosides
in Hanks' Buffer
A-MEM- α (HBSS)
Containing PurMa™ GlutaSup (2 mM L-Alanyl-L-Glutamine) (434mg/L)
Cat No: P3A410124
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	0.031	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	0.052	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	Ethanolamine	0.0019
L-Proline	0.040	Lipoic Acid	0.0002
L-Serine	0.025	Sodium Pyruvate	0.11
L-Threonine	0.048	Proteins	g/liter
L-Tryptophan	0.010	PurMa™ AlbuSup (Albumin)*	0.4
L-Tyrosine	0.036	Human Transferrin (Holo)	0.0075
L-Valine	0.046	Insulin Recombinant Full Chain	0.010
Inorganic Salts	g/liter	Trace Elements	g/liter
CaCl ₂ (anhydrous)	0.140	Ammonium Metavanadate	3X 10 ⁻⁷
MgSO ₄ (anhydrous)	0.098	Sodium Selenite	5X 10 ⁻⁶
KCl	0.4	MnCl ₂	5X 10 ⁻⁸
KH ₂ PO ₄	0.060	Cupric Sulfate	0.00000125
Sodium Bicarbonate (NaHCO ₃)	0.35	Reducing Agents	g/liter
Sodium Chloride (NaCl)	8.0	Glutathione, monosodium	0.001
NaH ₂ PO ₄ (anhydrous)	0.048		

* Chromatographically purified with IgG content <=0.1.0%.