



Advanced Eagle's Minimal Essential Medium (A-EMEM)

Cat No: P3A210110

Containing PurMa™ GlutaSup (2 mM L-Alanyl-L-Glutamine) (434 mg/L)

Requires 2-5% FBS

Standard Formulation

Amino Acids	(g/liter)	Others	(g/liter)
L-Alanine	0.00890	D-Glucose	1.00000
L-Arginine· HCl	0.12640	Phenol Red, Sodium Salt	0.01000
L-Asparagine·H ₂ O	0.01500	Sodium Pyruvate	0.11000
L-Aspartic Acid	0.01330	Ethanolamine	0.0019
L-Cystine·2HCl	0.03120	Hypoxanthine Na	0.00239
L-Glutamic Acid	0.01470	Linoleic Acid	0.000042
L-Alanyl-L-Glutamine	0.434	Lipoic Acid	0.000105
Glycine	0.00750	Thymidine	0.000365
L-Histidine·HCl·H ₂ O	0.04190	Putrescine 2HCl	0.000081
L-Isoleucine	0.05250	Vitamins	(g/Liter)
L-Leucine	0.05250	Choline Chloride	0.00100
L-Lysine· HCl	0.07250	Folic Acid	0.00100
L-Methionine	0.01500	myo-Inositol	0.00200
L-Phenylalanine	0.03250	Nicotinamide	0.00100
L-Proline	0.01150	D-Pantothenic Acid (hemicalcium)	0.00100
L-Serine	0.01050	Pyridoxine· HCl	0.00100
L-Threonine	0.04760	Riboflavin	0.00010
L-Tryptophan	0.01000	Thiamine· HCl	0.00100
L-Tyrosine·2Na·2H ₂ O	0.05190	Vitamin B12	5X 10 ⁻⁶
L-Valine	0.04680	Para-Aminobenzoic Acid	0.001
Inorganic Salts	(g/liter)	Ascorbic Acid phosphate	0.0025
CaCl ₂ (anhydrous)	0.20000	Proteins	g/liter
MgSO ₄ (anhydrous)	0.09767	PurMa™ AlbuSup (Albumin)	0.4
KCl	0.40000	Human Transferrin (Holo)	0.0075
NaHCO ₃	1.50000	Insulin Recombinant Full Chain	0.010
NaCl	6.80000	Trace Elements	g/liter
NaH ₂ PO ₄ ·H ₂ O	0.14000	Ammonium Metavanadate	3X 10 ⁻⁷
Reducing Agents	g/liter	Cupric Sulfate	1.25X 10 ⁻⁶
Glutathione, monosodium	0.001	Manganous Chloride	5X 10 ⁻⁸
		Sodium Selenite	5X 10 ⁻⁶

*Chromatographically purified with IgG content <=0.1.0%.