



PurMa Biologics, LLC

Advanced Minimum Essential Medium with Hanks' Buffer

A-MEM (HBSS)

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

Requires 2-5% FBS

Cat No: P3A410122

Standard Formulation

Amino Acids	g/liter	Proteins	g/liter
L-Arginine·HCl	0.126	PurMa™ AlbuSup (Albumin)*	0.4
L-Alanine	0.0089	Human Transferrin (Holo)	0.0075
L-Asparagine·H ₂ O	0.0132	Insulin Recombinant Full Chain	0.010
L-Cystine·2HCl	0.031	Vitamins	g/liter
L-Aspartic acid	0.0133	Choline Chloride	0.001
Glycine	0.0075	Folic Acid	0.001
L-Glutamic Acid	0.0147	myo-Inositol	0.002
L-Alanyl-L-Glutamine	0.434	Nicotinamide	0.001
L-Histidine·HCl·H ₂ O	0.042	D-Pantothenic Acid	0.001
L-Isoleucine	0.052	Pyridoxine· HCl	0.001
L-Leucine	0.052	Riboflavin	0.0001
L-Lysine·HCl	0.0725	Thiamine· HCl	0.001
L-Methionine	0.015	Ascorbic Acid Phosphate	0.0025
L-Phenylalanine	0.032	Others	g/liter
L-Serine	0.0105	Phenol Red	0.010
L-Proline	0.0115	Sodium Pyruvate	0.110
L-Threonine	0.048	D-Glucose	1.0
L-Tryptophan	0.010	Ethanolamine	0.0019
L-Tyrosine·2Na·2H ₂ O	0.052	Trace Elements	g/liter
L-Valine	0.046	Ammonium Metavanadate	3X 10 ⁻⁷
Inorganic Salts	g/liter	Sodium Selenite	5X 10 ⁻⁶
CaCl ₂ (anhydrous)	0.140	MnCl ₂	5X 10 ⁻⁸
MgSO ₄ (anhydrous)	0.09767	Cupric Sulfate	0.00000125
Sodium Bicarbonate	0.350	Reducing Agents	g/liter
NaCl	8.0	Glutathione, monosodium	0.001
KCl	0.4		
Na ₂ HPO ₄ (anhydrous)	0.048		
KH ₂ PO ₄	0.060		

* Chromatographically purified with IgG content ≤0.1.0%.