



Advanced Kaighn's Modification of Ham's F-12 Medium (A-Ham's F-12K)

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

Requires 2-5% FBS

Standard Formulation

Cat No: P3A210108

Amino Acids	g/liter	Inorganic Salts	g/liter
L-Arginine-HCl	0.42140	CaCl ₂ (anhydrous)	0.102
L-Alanine	0.01782	CuSO ₄ ·5H ₂ O	0.0000025
L-Asparagine-H ₂ O	0.03020	FeSO ₄ ·7H ₂ O	0.000834
L-Aspartic Acid	0.02662	MgCl ₂ (anhydrous)	0.105.72
L-Cysteine-HCl-H ₂ O	0.07024	MgSO ₄ (anhydrous)	0.19264
L-Glutamic Acid	0.02942	ZnSO ₄ ·7H ₂ O	0.000144
L-Alanyl-L-Glutamine	0.434	KCl	0.285
Glycine	0.01501	NaH ₂ PO ₄ (anhydrous)	0.05852
L-Histidine-HCl-H ₂ O	0.04192	NaHCO ₃	2.50000
L-Isoleucine	0.00782	Na ₂ HPO ₄ (anhydrous)	0.11502
L-Leucine	0.02624	NaCl	7.59720
L-Lysine-HCl	0.07304	Vitamins	g/liter
L-Methionine	0.00895	D-Biotin	0.0000733
L-Phenylalanine	0.00991	Choline Chloride	0.01396
L-Proline	0.06906	Folic Acid	0.00132
L-Serine	0.02102	Hypoxanthine Na	0.00477
L-Threonine	0.02382	myo-Inositol	0.01802
L-Tryptophan	0.00408	Nicotinamide	0.0000366
L-Tyrosine (free base)	0.01087	D-Pantothenic Acid	0.000477
L-Valine	0.02342	Pyridoxine-HCl	0.0000617
Others	g/liter	Riboflavin	0.0000376
D-Glucose	1.26000	Thiamine-HCl	0.000377
Phenol Red	0.00332	Vitamin B-12	0.001355
Sodium Pyruvate	0.22000	Trace Elements	g/liter
Lipoic Acid	0.00021	Ammonium Metavanadate	3X 10 ⁻⁷
Hypoxanthine Na	0.00408	Sodium Selenite	5X 10 ⁻⁶
Linoleic Acid	0.000084	MnCl ₂	5X 10 ⁻⁸
Putrescine-2HCl	0.000332	Proteins	g/liter
Ethanolamine	0.0019	Human Transferrin (Holo)	0.0075
Thymidine	0.000727	Insulin Recomb. Full Chain	0.010
Reducing Agents	g/liter	PurMa™ AlbuSup (Albumin)*	0.4
Glutathione, monosodium	0.001		

*Chromatographically purified with IgG content <=0.1.0%