



PurMa Biologics, LLC

Dulbecco's Modified Eagle's Medium/Nutrient Mixture F-12 Ham-MAX (DMEM-F12-MAX)

Cat No: P3M110106

Containing PurMa™ GlutaSup (2.5 mM L-Alanyl-L-Glutamine) (543mg/L)

Standard Formulation

Amino Acids	g/liter	Others	g/liter
L-Alanine	0.00445	D-Glucose	3.151
L-Arginine·HCl	0.1475	Hypoxanthine·Na	0.00239
L-Asparagine·H ₂ O	0.0075	Linoleic Acid	0.000042
L-Aspartic Acid	0.00665	Phenol Red	0.0081
L-Cysteine·HCl·H ₂ O	0.01756	Putrescine·2HCl	0.00008
L-Cystine·2HCl	0.03129	Pyruvic Acid·Na	0.055
L-Glutamic Acid	0.00735	DL-Thioctic Acid	0.000105
L-Alanyl-L-Glutamine	0.543	Thymidine	0.000365
Glycine	0.01875	Lipoic Acid	0.000105
L-Histidine·HCl·H ₂ O	0.03148	Vitamins	g/liter
L-Isoleucine	0.05447	D-Biotin	0.00000365
L-Leucine	0.05905	Choline Chloride	0.00898
L-Lysine·HCl	0.09125	Folic Acid	0.00265
L-Methionine	0.01724	myo-Inositol	0.01261
L-Phenylalanine	0.03548	Niacinamide	0.00202
L-Proline	0.01725	D-Pantothenic Acid	0.00224
L-Serine	0.02625	Pyridoxine·HCl	0.00203
L-Threonine	0.05355	Riboflavin	0.00022
L-Tryptophan	0.00902	Thiamine·HCl	0.00217
L-Tyrosine·2Na·2H ₂ O	0.05580	Vitamin B-12	0.00068
L-Valine	0.05285	Inorganic	(g/liter)
Inorganic	(g/liter)	NaCl	7.0
CaCl ₂ (anhydrous)	0.11665	Na ₂ HPO ₄ (anhydrous)	0.071
CuSO ₄ ·5H ₂ O	0.0000013	NaH ₂ PO ₄ ·H ₂ O	0.0625
Fe(NO ₃) ₃ ·9H ₂ O	0.00005	ZnSO ₄ ·7H ₂ O	0.000432
FeSO ₄ ·7H ₂ O	0.000417	NaHCO ₃	2.438
MgSO ₄ (anhydrous)	0.04884	MgCl ₂ (anhydrous)	28.64
KCl	0.3118		