



PurMa Biologics, LLC

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

Cat No: P3S010106

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	0.000081
L-Cystine·2HCl	0.03129	Sodium Pyruvate	0.055
L-Glutamic Acid	0.00735	Lipoic Acid	0.000105
L-Glutamine	0.3651	Thymidine	0.000365
Glycine	0.01875	Vitamins	g/liter
L-Histidine·HCl·H ₂ O	0.03148	D-Biotin	0.0000035
L-Isoleucine	0.05447	Choline Chloride	0.00898
L-Leucine	0.05905	Folic Acid	0.00265
L-Lysine·HCl	0.09125	myo-Inositol	0.01261
L-Methionine	0.01724	Niacinamide	0.00202
L-Phenylalanine	0.03548	D-Pantothenic Acid	0.00224
L-Proline	0.01725	Pyridoxine·HCl	0.00201
L-Serine	0.02625	Riboflavin	0.00022
L-Threonine	0.05345	Thiamine·HCl	0.00217
L-Tryptophan	0.00902	Vitamin B-12	0.00068
L-Tyrosine·2Na·2H ₂ O	0.05579		
L-Valine	0.05285		
Inorganic	g/liter	Inorganic	g/liter
CaCl ₂ (anhydrous)	0.11665	NaCl	6.996
CuSO ₄ ·5H ₂ O	0.0000013	Na ₂ HPO ₄ (anhydrous)	0.071
Fe (NO ₃) ₃ ·9H ₂ O	0.00005	NaH ₂ PO ₄ ·H ₂ O	0.0625
FeSO ₄ ·7H ₂ O	0.000417	ZnSO ₄ ·7H ₂ O	0.000432
MgSO ₄ (anhydrous)	0.04884	NaHCO ₃	2.438
MgCl ₂ (anhydrous)	28.64	KCl	0.3118