

MEM/F12 Medium Ingredient Formula

Ingredient (mg/L) / Cat. No.	PM151220	PM151220A
Inorganic Salt		
CaCl ₂ (Anhydrous)	116.65	116.65
CuSO ₄ ·5H ₂ O	0.00125	0.00125
FeSO ₄ ·7H ₂ O	0.417	0.417
MgCl ₂ (Anhydrous)	28.61	28.61
MgSO ₄ (Anhydrous)	48.835	48.835
KCl	311.8	311.8
NaHCO ₃	1688	1688
NaCl	7199.5	7199.5
Na ₂ HPO ₄ (Anhydrous)	71	71
NaH ₂ PO ₄ (Anhydrous)	61	61
ZnSO ₄ ·7H ₂ O	0.4315	0.4315
Amino Acid		
L-Alanyl-L-Glutamine	–	–
Glycine	7.5	7.5
L-Alanine	9	9
L-Arginine Hydrochloride	168.5	168.5
L-Asparagine-H ₂ O	15.01	15.01
L-Aspartic Acid	13.3	13.3
L-Cysteine Hydrochloride-H ₂ O	17.56	17.56
L-Cystine 2HCl	15.65	15.65
L-Glutamic Acid	14.7	14.7
L-Glutamine	219	219
L-Histidine Hydrochloride-H ₂ O	31.5	31.5
L-Isoleucine	27.97	27.97
L-Leucine	32.55	32.55
L-Lysine Hydrochloride	54.5	54.5
L-Methionine	9.74	9.74
L-Phenylalanine	18.48	18.48
L-Proline	23	23
L-Serine	10.5	10.5
L-Threonine	29.95	29.95
L-Tryptophan	6.01	6.01
L-Tyrosine Disodium Salt	29.84	29.84
L-Valine	28.85	28.85
Vitamin		
Biotin	0.00365	0.00365
Choline Chloride	7.48	7.48
D-Calcium Pantothenate	0.74	0.74
Folic Acid	1.16	1.16
Niacinamide	0.5185	0.5185
Pyridoxine Hydrochloride	0.031	0.031
Pyridoxal Hydrochloride	0.5	0.5
Riboflavin	0.069	0.069
Thiamine Hydrochlorid	0.67	0.67
Vitamin B12	0.68	0.68
Meso-inositol	10	10
Others		
D-Glucose	1401	1401
Thymidine	0.365	0.365
Hypoxanthine Sodium	2.385	2.385
Linoleic Acid	0.042	0.042
Lipoic Acid	0.105	0.105
Putrescine Dihydrochloride	0.0805	0.0805
Sodium Pyruvate	55	55
HEPES	–	–
Phenol Red	5.6	5.6
Penicillin G Sodium Salt	–	100 kU
Streptomycin Sulfate	–	100