

### Ham's F-12K Medium Ingredient Formula

Ingredient(mg/L) / Cat. No.	PM150910P
CaCl2 (Anhydrous)	102
CuSO4•5H2O	0.0025
FeSO4•7H2O	0.834
MgCl2(Anhydrous)	49.7
MgSO4 (Anhydrous)	192
KCl	285
NaHCO3	-
NaCl	7530
Na2HPO4 (Anhydrous)	115.5
NaH2PO4 (Anhydrous)	59
ZnSO4•7H2O	0.144
L-Alanyl-L-Glutamine	-
Glycine	15
L-Alanine	18
L-Arginine Hydrochloride	422
L-Asparagine Monohydrate	30.02
L-Aspartic Acid	26.6
L-Cysteine Hydrochloride Monohydrate	70.24
L-Glutamic Acid	29.4
L-Glutamine	292
L-Histidine Hydrochloride Monohydrate	42
L-Isoleucine	7.88
L-Leucine	26.2
L-Lysine Hydrochloride	73
L-Methionine	8.96
L-Phenylalanine	9.92
L-Proline	69
L-Serine	21
L-Threonine	23.8
L-Tryptophan	4.08
L-Tyrosine Disodium Salt Dihydrate	15.56
L-Valine	23.4
Biotin	0.073
Choline Chloride	13.96
D-Calcium Pantothenate	0.48
Folic Acid	1.32
Niacinamide	0.037
Pyridoxine Hydrochloride	0.062
Riboflavin	0.038
Thiamine Hydrochlorid	0.34
Vitamin B12	1.36
Meso-inositol	18
D-Glucose	1260
Thymidine	0.73
Hypoxanthine Sodium	4.77
Lipoic Acid	0.21
Putrescine Dihydrochloride	0.322
Sodium Pyruvate	220
Phenol Red	3
Penicillin G Sodium Salt	-
Streptomycin Sulfate	-