

Ham's F-12K Medium Ingredient Formula

Ingredient(mg/L) / Cat.	PM150910	PM150910A	PM150911	PM150912	PM150913
Inorganic Salt					
CaCl ₂ (Anhydrous)	102	102	102	102	102
CuSO ₄ •5H ₂ O	0.0025	0.0025	0.0025	0.0025	0.0025
FeSO ₄ •7H ₂ O	0.834	0.834	0.834	0.834	0.834
MgCl ₂ (Anhydrous)	49.7	49.7	49.7	49.7	49.7
MgSO ₄ (Anhydrous)	192	192	192	192	192
KCl	285	285	285	285	285
NaHCO ₃	2500	2500	2500	2500	2500
NaCl	7530	7530	7530	7530	7530
Na ₂ HPO ₄ (Anhydrous)	115.5	115.5	115.5	115.5	115.5
NaH ₂ PO ₄ (Anhydrous)	59	59	59	59	59
ZnSO ₄ •7H ₂ O	0.144	0.144	0.144	0.144	0.144
Amino Acid					
L-Alanyl-L-Glutamine	–	–	–	217	–
Glycine	15	15	15	15	15
L-Alanine	18	18	18	18	18
L-Arginine Hydrochloride	422	422	422	422	422
L-Asparagine Monohydrate	30.02	30.02	30.02	30.02	30.02
L-Aspartic Acid	26.6	26.6	26.6	26.6	26.6
L-Cysteine Hydrochloride	70.24	70.24	70.24	70.24	70.24
L-Glutamic Acid	29.4	29.4	29.4	29.4	29.4
L-Glutamine	292	292	–	–	292
L-Histidine Hydrochloride	42	42	42	42	42
L-Isoleucine	7.88	7.88	7.88	7.88	7.88
L-Leucine	26.2	26.2	26.2	26.2	26.2
L-Lysine Hydrochloride	73	73	73	73	73
L-Methionine	8.96	8.96	8.96	8.96	8.96
L-Phenylalanine	9.92	9.92	9.92	9.92	9.92
L-Proline	69	69	69	69	69
L-Serine	21	21	21	21	21
L-Threonine	23.8	23.8	23.8	23.8	23.8
L-Tryptophan	4.08	4.08	4.08	4.08	4.08
L-Tyrosine Disodium Salt	15.56	15.56	15.56	15.56	15.56
L-Valine	23.4	23.4	23.4	23.4	23.4
Vitamin					
Biotin	0.073	0.073	0.073	0.073	0.073
Choline Chloride	13.96	13.96	13.96	13.96	13.96
D-Calcium Pantothenate	0.48	0.48	0.48	0.48	0.48
Folic Acid	1.32	1.32	1.32	1.32	1.32
Niacinamide	0.037	0.037	0.037	0.037	0.037
Pyridoxine Hydrochloride	0.062	0.062	0.062	0.062	0.062
Riboflavin	0.038	0.038	0.038	0.038	0.038
Thiamine Hydrochlorid	0.34	0.34	0.34	0.34	0.34
Vitamin B12	1.36	1.36	1.36	1.36	1.36
Meso-inositol	18	18	18	18	18
Others					
D-Glucose	1260	1260	1260	1260	1260
Thymidine	0.73	0.73	0.73	0.73	0.73
Hypoxanthine Sodium	4.77	4.77	4.77	4.77	4.77
Lipoic Acid	0.21	0.21	0.21	0.21	0.21
Putrescine Dihydrochloride	0.322	0.322	0.322	0.322	0.322
Sodium Pyruvate	220	220	220	220	220
Phenol Red	3	3	3	3	–
Penicillin G Sodium Salt	–	100kU	–	–	–
Streptomycin Sulfate	–	100	–	–	–

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