

Ham's F-12K (Kaighn's Modification)

Cat. No.: CC118-0500

Components	Concentration (mg/L)
Amino Acids	
Glycine	15.0
L-Alanine	18.0
L-Arginine hydrochloride	422.0
L-Asparagine-H ₂ O	30.0
L-Aspartic acid	26.6
L-Cysteine hydrochloride-H ₂ O	70.0
L-Glutamic Acid	29.0
L-Glutamine	292.0
L-Histidine hydrochloride-H ₂ O	45.8
L-Isoleucine	7.88
L-Leucine	26.2
L-Lysine hydrochloride	73.0
L-Methionine	8.96
L-Phenylalanine	9.92
L-Proline	69.0
L-Serine	21.0
L-Threonine	23.0
L-Tryptophan	4.1
L-Tyrosine disodium salt dihydrate	13.5
L-Valine	23.0
Vitamins	
Biotin	0.07
Choline chloride	14.0
D-Calcium pantothenate	0.5
Folic Acid	1.3

Components	Concentration (mg/L)
Niacinamide	0.037
Pyridoxine hydrochloride	0.06
Riboflavin	0.04
Thiamine hydrochloride	0.3
Vitamin B12	1.4
i-Inositol	18.0
Inorganic Salts	
Calcium Chloride (CaCl ₂) (anhyd.)	102.0
Cupric sulfate (CuSO ₄ ·5H ₂ O)	0.002
Ferric sulfate (FeSO ₄ ·7H ₂ O)	0.8
Magnesium Chloride (anhyd.)	49.7
Magnesium Sulfate (MgSO ₄) (anhyd.)	192.0
Potassium Chloride (KCl)	285.0
Sodium Bicarbonate (NaHCO ₃)	2500.0
Sodium Chloride (NaCl)	7530.0
Sodium Phosphate dibasic (Na ₂ HPO ₄) (anhyd.)	115.5
Sodium Phosphate monobasic (NaH ₂ PO ₄) (anhyd.)	59.0
Zinc sulfate (ZnSO ₄ ·7H ₂ O)	0.144
Other Components	
D-Glucose (Dextrose)	1260.0
Hypoxanthine Na	4.0
Lipoic Acid	0.21
Phenol Red	3.0
Putrescine 2HCl	0.32
Sodium Pyruvate	220.0
Thymidine	0.7