

Cat# 25-520K



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

With L-glutamine. Store at 2° to 8°C.

Components	mg/L
Biotin (C ₁₀ H ₁₈ N ₂ O ₃ S)	0.0700
Calcium Chloride, Anhydrous (CaCl ₂)	102.1020
Choline Chloride (C ₅ H ₁₄ ONCl)	13.9600
Cupric Sulfate, Pentahydrate (CuSO ₄ · 5H ₂ O)	0.0025
D-Calcium Pantothenate (C ₁₈ H ₃₂ CaN ₂ O ₁₀)	0.4800
D-Glucose, Anhydrous (C ₆ H ₁₂ O ₆)	1260.0000
Folic Acid (C ₁₉ H ₁₉ N ₇ O ₆)	1.3200
Glycine (C ₂ H ₅ NO ₂)	15.0000
Hypoxanthine, Sodium (C ₉ H ₃ N ₄ O ₃ Na)	4.0000
L-Alanine (C ₃ H ₇ NO ₂)	18.0000
L-Arginine (C ₆ H ₁₄ N ₄ O ₂)	422.0000
L-Asparagine, Monohydrate (C ₄ H ₈ N ₂ O ₃ · H ₂ O)	30.0200
L-Aspartic Acid (C ₄ H ₇ NO ₄)	26.6000
L-Cysteine, Hydrochloride, Monohydrate (C ₃ H ₇ NO ₂ · HCl · H ₂ O)	70.0400
L-Glutamic Acid (C ₅ H ₉ NO ₄)	29.4000
L-Glutamine (C ₅ H ₁₀ N ₂ O ₃)	292.0000
L-Histidine, Hydrochloride, Monohydrate (C ₆ H ₉ N ₃ O ₂ · HCl · H ₂ O)	45.8000
L-Isoleucine (C ₆ H ₁₃ NO ₂)	7.8800
L-Leucine (C ₆ H ₁₃ NO ₂)	26.2000
L-Lysine, Hydrochloride (C ₆ H ₁₄ N ₂ O ₂ · HCl)	73.0000
L-Methionine (C ₅ H ₁₁ NO ₂ S)	8.9600
L-Phenylalanine (C ₉ H ₉ NO ₂)	9.9200
L-Proline (C ₅ H ₉ NO ₂)	69.0600

L-Serine (C ₃ H ₇ NO ₃)	21.0000
L-Threonine (C ₄ H ₉ NO ₃)	23.0000
L-Tryptophan (C ₁₁ H ₁₂ N ₂ O ₂)	4.1000
L-Tyrosine, Disodium, Dihydrate (C ₉ H ₉ NO ₃ Na ₂ · 2H ₂ O)	13.5000
L-Valine (C ₅ H ₁₁ NO ₂)	23.4000
Lipoic Acid (DL-Thiolic Acid) (C ₈ H ₁₄ O ₂ S ₂)	0.2100
Magnesium Chloride, Anhydrous (MgCl ₂)	49.7000
Magnesium Sulfate, Anhydrous (MgSO ₄)	192.0000
Myo-Inositol (C ₆ H ₁₂ O ₆)	18.0200
Niacinamide (C ₆ H ₆ N ₂ O)	0.0370
Phenol Red, Sodium Salt (C ₁₉ H ₁₃ NaO ₅ S)	3.0000
Potassium Chloride (KCl)	285.0000
Potassium Phosphate, Monobasic, Anhydrous (KH ₂ PO ₄)	59.0000
Putrescine, Dihydrochloride (C ₄ H ₁₂ N ₂ · 2HCl)	0.3220
Pyridoxine, Hydrochloride (C ₈ H ₁₁ NO ₃ · HCl)	0.0620
Pyruvic Acid, Sodium Salt (C ₃ H ₃ NaO ₃)	220.0000
Riboflavin (C ₁₇ H ₂₀ N ₄ O ₆)	0.0380
Sodium Bicarbonate (NaHCO ₃)	2500.0000
Sodium Chloride (NaCl)	7530.0000
Sodium Phosphate Dibasic, Anhydrous (Na ₂ HPO ₄)	115.5000
Thiamine, Hydrochloride (C ₁₂ H ₁₇ ClN ₄ OS · HCl)	0.3370
Thymidine (C ₁₀ H ₁₄ N ₂ O ₅)	0.7300
Vitamin B12 (C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P)	1.3600
Zinc Sulfate, Heptahydrate (ZnSO ₄ · 7H ₂ O)	0.1440