

	Ham's F-12 w/o Glutamine	Cat No. BR-E72-4
INGRIDIENT	mg / L	
AMINO ACID		
Glycine	7.5	
L-Alanine	8.9	
L-Arginine hydrochloride	211	
L-Asparagine monohydrate	15.01	
L-Aspartic Acid	13.3	
L-Cysteine Hydrochloride Hydrate	35.12	
L-Glutamic Acid	14.7	
L-Glutamine	0	
L-Histidine hydrochloride monohydrate	21	
L-Isoleucine	4	
L-Leucine	13.1	
L-Lysine hydrochloride	36.5	
L-Methionine	4.5	
L-Phenylalanine	5	
L-Proline	34.5	
L-Serine	10.5	
L-Threonine	11.9	
L-Tryptophan	2.04	
L-Tyrosine disodium salt monohydrate	7.81	
L-Valine	11.7	
VITAMINS		
D-Biotin	0.0073	
Choline Chloride	14	
D-Pantothenate Acid Calcium Salt	0.5	
Folic Acid	1.3	
Niacinamide	0.036	
Pyridoxine • HCl	0.06	
Riboflavin	0.037	
Thiamine • HCl	0.3	
Vitamin B ₁₂	1.4	
i-Inositol	18	
Sodium Bicarbonate	1176	
INORGANIC SALTS		
Calcium Chloride (CaCl ₂)	33.22	
Cupric sulfate • 5H ₂ O (CuSO ₄ • 5H ₂ O)	0.0025	
Ferric sulfate • 7H ₂ O (FeSO ₄ • 7H ₂ O)	0.834	
Magnesium Chloride (MgCl ₂)	57.22	
Potassium Chloride (KCl)	223.6	
Sodium Chloride (NaCl)	7599	
Sodium Phosphate Dibasic (Na ₂ HPO ₄)	142	
Zinc Sulfate • 7H ₂ O	0.863	
OTHER COMPONENTS		
D-Glucose	1802	
Hypoxanthine • Na	4.77	
Linoleic Acid	0.084	
Lipoic Acid	0.21	
Phenol Red • Na	1.2	
Putrescine • 2HCl	0.161	
Sodium Pyruvate	110	
Thymidine	0.7	