

## Composition

<b>Ham's F12 (F12 Nutrient Medium)</b>		CAS number	M1222 Liquid mg/l
Amino Acids	Glycine	56-40-6	7,51
	L-Alanine	56-41-7	9
	L-Arginine Monohydrochloride	1119-34-2	211
	L-Asparagine Monohydrate	5794-13-8	15,01
	L-Aspartic Acid	56-84-8	13,3
	L-Cysteine Monohydrochloride Monohydrate	7048-04-6	35
	L-Glutamic Acid	56-86-0	14,7
	L-Glutamine	56-85-9	146
	L- Histidine Monohydrochloride Monohydrate	5934-29-2	20,96
	L-Isoleucine	73-32-5	3,94
	L-Leucine	61-90-5	13,1
	L-Lysine Monohydrochloride	657-27-2	36,5
	L-Methionine	63-68-3	4,48
	L-Phenylalanine	63-91-2	4,96
	L-Proline	147-85-3	34,5
	L-Serine	56-45-1	10,5
	L-Threonine	72-19-5	11,9
L-Tryptophan	73-22-3	2,04	
L-Tyrosine Disodium Salt Dihydrate	122666-87-9	7,78	
L-Valine	72-18-4	11,7	
Inorganic Salts	Calcium Chloride Dihydrate	10035-04-8	44,1
	Cupric Sulfate Pentahydrate	7758-99-8	0,0025
	Ferrous Sulfate Heptahydrate	7782-63-0	0,834
	Magnesium Sulfate Anhydrous	7487-88-9	-
	Potassium Chloride	7447-40-7	123
	Sodium Phosphate Monobasic Anhydrous	7448-80-7	224
	Sodium Bicarbonate	144-55-8	1176
	Sodium Chloride	7647-14-5	7599
	Sodium Phosphate Dibasic Anhydrous	7558-79-4	142,04
	Zinc Sulfate Heptahydrate	7446-20-0	0,863

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Vitamins	Choline Chloride	67-48-1	13,96
	D-Biotin	58-85-5	0,0073
	D-Ca Pantothenate	137-08-6	0,48
	Folic Acid	59-30-3	1,32
	Myo-Inositol	87-89-8	18
	Nicotinamide (Nicotinic acid amide)	98-92-0	0,037
	Pyridoxine Hydrochloride	58-56-0	0,062
	Riboflavin	83-88-5	0,038
	Thiamine Hydrochloride	67-03-8	0,34
Vitamin B12	68-19-9	1,36	
Other	D-Glucose Anhydrous	50-99-7	1802
	Hepes Free Acid	7365-45-9	4,08
	Linoleic Acid	60-33-3	0,084
	Hypoxanthine	68-94-0	1,3
	Phenol Red Sodium Salt	34487-61-1	0,161
	Sodium Pyruvate	113-24-6	110
	Thioctic Acid	1077-28-7	0,21
	Thymidine	50-89-5	0,73