

## 培养基配方表 (Media Formulation)

名称: Ham's F-12 营养培养基 含酚红和 L-谷氨酰胺

货号: L410KJ

组分 (Components)	分子量 (MW)	浓度 (mg/L)	摩尔浓度 (mM)
<b>氨基酸 (Amino Acids)</b>			
Glycine	75.07	7.5	0.1
L-Alanine	89.09	8.9	0.1
L-Arginine hydrochloride	210.66	211	1
L-Asparagine monohydrate	150.13	15.01	0.1
L-Aspartic acid	133.1	13	0.0976709
L-Cysteine hydrochloride monohydrate	175.63	35	0.2
L-Glutamic Acid	147.13	14.7	0.1
L-Glutamine	146.14	146	1
L-Histidine monohydrochloride hydrate	209.63	21	0.1
L-Isoleucine	131.17	4	0.0304948
L-Leucine	131.17	13	0.1
L-Lysine hydrochloride	182.65	36.5	0.2
L-Methionine	149.21	4.5	0.03
L-Phenylalanine	165.19	5	0.03
L-Proline	115.13	34.5	0.3
L-Serine	105.09	10.5	0.1
L-Threonine	119.12	12	0.1
L-Tryptophan	204.23	2	0.01
L-Tyrosine disodium salt dihydrate	261.18	7.8	0.03
L-Valine	117.15	11.7	0.1
<b>无机盐 (Inorganic Salts)</b>			
Calcium Chloride	110.98	33.2	0.3
Copper Sulfate pentahydrate	249.69	0.0025	0.00001
Ferrous Sulfate heptahydrate	278.01	0.83	0.003
Magnesium Chloride hexahydrate	203.3	122.1	0.6
Potassium Chloride	74.55	223.6	3
Sodium Bicarbonate	84.01	1176	14
Sodium Chloride	58.44	7599	130
Sodium Phosphate dibasic	141.96	142	1
Zinc Sulfate heptahydrate	287.56	0.86	0.003
<b>维生素 (Vitamins)</b>			
Biotin	244.31	0.007	0.0000287
Choline chloride	139.62	14	0.1002722
D-Calcium pantothenate	238.27	0.5	0.0020985

Folic Acid	441.4	1.3	0.0029452
i-Inositol	180.16	18	0.1
Niacinamide	122.12	0.04	0.0003275
Pyridoxine hydrochloride	205.64	0.06	0.0002918
Riboflavin	376.36	0.04	0.0001063
Thiamine hydrochloride	337.27	0.3	0.0008895
Vitamin B12	1355.37	1.4	0.0010329
<b>其他组分 (Other Components)</b>			
D-(+)-Glucose	180.16	1802	10
Sodium Hypoxanthine	158.09	4.77	0.0301727
Linoleic Acid	280.45	0.08	0.0002853
Lipoic Acid	206.33	0.21	0.001
Phenol Red	376.4	1.2	0.0031881
Putrescine dihydrochloride	161.07	0.161	0.001
Sodium Pyruvate	110.04	110	1
Thymidine	242.23	0.7	0.0028898