

F-12 培养基配方表 (单位: mg/L)

ZQ-400			
组分	分子量	浓度 (mg/L)	摩尔浓度 (mM)
<b>氨基酸</b>			
Glycine	75	7.5	0.1
L-Alanine	89	8.9	0.1
L-Arginine hydrochloride	211	211	1
L-Asparagine-H <sub>2</sub> O	150	15.01	0.1000667
L-Aspartic acid	133	13.3	0.1
L-Cysteine hydrochloride-H <sub>2</sub> O	176	35.12	0.1995454
L-Glutamic Acid	147	14.7	0.1
L-Glutamine	146	146	1
L-Histidine hydrochloride-H <sub>2</sub> O	210	21	0.1
L-Isoleucine	131	4	0.0305344
L-Leucine	131	13.1	0.1
L-Lysine hydrochloride	183	36.5	0.1994536
L-Methionine	149	4.5	0.0302013
L-Phenylalanine	165	5	0.030303
L-Proline	115	34.5	0.3

L-Serine	105	10.5	0.1
L-Threonine	119	11.9	0.1
L-Tryptophan	204	2.04	0.01
L-Tyrosine disodium salt dihydrate	262	7.81	0.0298092
L-Valine	117	11.7	0.1
<b>维生素</b>			
Biotin	244	0.0073	2.992E-05
Choline chloride	140	14	0.1
D-Calcium pantothenate	477	0.5	0.0010482
Folic Acid	441	1.3	0.0029478
i-Inositol	180	18	0.1
Niacinamide	122	0.036	0.0002951
Pyridoxine hydrochloride	206	0.06	0.0002913
Riboflavin	376	0.037	9.84E-05
Thiamine hydrochloride	337	0.3	0.0008902
Vitamin B12	1355	1.4	0.0010332
<b>无机盐</b>			
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	111	33.22	0.2992793
Cupric sulfate (CuSO <sub>4</sub> ·5H <sub>2</sub> O)	250	0.0025	0.00001

Ferric sulfate (FeSO <sub>4</sub> -7H <sub>2</sub> O)	278	0.834	0.003
Magnesium Chloride (anhydrous)	95	57.22	0.6023158
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	120		
Potassium Chloride (KCl)	75	223.6	2.9813335
Sodium Bicarbonate (NaHCO <sub>3</sub> )	84	1176	14
Sodium Chloride (NaCl)	58	7599	131.01724
Sodium Phosphate dibasic (Na <sub>2</sub> HPO <sub>4</sub> ) anhydrous	142	142	1
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> ) anhydrous	139		
Zinc sulfate (ZnSO <sub>4</sub> -7H <sub>2</sub> O)	288	0.863	0.0029965
<b>其他组分</b>			
D-Glucose (Dextrose)	D-Glucose (Dextrose)	D-Glucose (Dextrose)	D-Glucose (Dextrose)
180	180	180	180
1802	1802	1802	1802
10.011111	10.011111	10.011111	10.011111
1260	1260	1260	1260
7	7	7	7

Hypoxanthine Na	Hypoxanthine e Na	Hypoxanthine Na	Hypoxanthine Na
159	159	159	159