

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)
氨基酸			
Glycine	75	7.5	0.1
L-Alanine	89	8.9	0.1
L-Arginine hydrochloride	211	211	1
L-Asparagine-H ₂ O	150	15.01	0.1000667
L-Aspartic acid	133	13.3	0.1
L-Cysteine hydrochloride-H ₂ O	176	35.12	0.1995454
L-Glutamic Acid	147	14.7	0.1
L-Glutamine	146	146	1
L-Histidine hydrochloride-H ₂ 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
维生素			
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
无机盐			
Calcium Chloride (CaCl ₂) (anhyd.)	111	33.22	0.2992793
Cupric sulfate (CuSO ₄ ·5H ₂ O)	250	0.0025	0.00001

Ferric sulfate (FeSO ₄ -7H ₂ O)	278	0.834	0.003
Magnesium Chloride (anhydrous)	95	57.22	0.6023158
Magnesium Sulfate (MgSO ₄) (anhyd.)	120		
Potassium Chloride (KCl)	75	223.6	2.9813335
Sodium Bicarbonate (NaHCO ₃)	84	1176	14
Sodium Chloride (NaCl)	58	7599	131.01724
Sodium Phosphate dibasic (Na ₂ HPO ₄) anhydrous	142	142	1
Sodium Phosphate monobasic (NaH ₂ PO ₄) anhydrous	139		
Zinc sulfate (ZnSO ₄ -7H ₂ O)	288	0.863	0.0029965
其他组分			
D-Glucose (Dextrose)	180	1802	10.011111
Hypoxanthine Na	159	4.77	0.03
Linoleic Acid	280	0.084	0.0003
Lipoic Acid	206	021	0.0010194
Phenol Red	376.4	1.2	0.0031881
Putrescine 2HCl	161	0.161	0.001
Sodium Pyruvate	110	110	1

Thymidine	242	0.7	0.0028926
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