

## 培养基配方表 (Media Formulation)

名称: M199 培养基 含酚红和 L-谷氨酰胺, 不含 HEPES

货号: L640KJ

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	50	0.666045
L-Alanine	89.09	25	0.2806151
L-Arginine hydrochloride	210.66	70	0.332289
L-Aspartic acid	133.1	30	0.2253944
L-Cysteine hydrochloride monohydrate	175.63	0.1	0.0005694
L-Cystine dihydrochloride	313.22	26	0.0830087
L-Glutamic Acid	147.13	75	0.5097533
L-Glutamine	146.14	100	0.6842754
L-Histidine monohydrochloride hydrate	209.63	21.88	0.1043744
L-Hydroxyproline	131.13	10	0.0762602
L-Isoleucine	131.17	40	0.3049478
L-Leucine	131.17	60	0.4574217
L-Lysine hydrochloride	182.65	70	0.3832466
L-Methionine	149.21	15	0.1005295
L-Phenylalanine	165.19	25	0.1513409
L-Proline	115.13	40	0.3474333
L-Serine	105.09	25	0.2378913
L-Threonine	119.12	30	0.2518469
L-Tryptophan	204.23	10	0.0489644
L-Tyrosine disodium salt dihydrate	261.18	58	0.2220691
L-Valine	117.15	25	0.2134016
<b>无机盐 (Inorganic Salts)</b>			
Calcium Chloride	110.98	200	1.8021265
Ferric Nitrate nonahydrate	404	0.72	0.0017822
Magnesium Sulfate	120.37	97.67	0.8114148
Potassium Chloride	74.55	400	5.3655265
Sodium Bicarbonate	84.01	2200	26.1873586
Sodium Chloride	58.44	6800	116.3586585
Sodium Phosphate monobasic hydrate	137.99	140	1.0145663
<b>维生素 (Vitamins)</b>			
Ascorbic Acid	176.12	0.05	0.0002839
Biotin	244.31	0.01	0.0000409
Choline chloride	139.62	0.5	0.0035811
D-Calcium pantothenate	238.27	0.01	0.000042

Folic Acid	441.4	0.01	0.0000227
Menadione	172.18	0.01	0.0000581
Niacinamide	122.12	0.025	0.0002047
Nicotinic Acid	123.11	0.025	0.0002031
Para-Aminobenzoic Acid	137.14	0.05	0.0003646
Pyridoxal hydrochloride	203.62	0.025	0.0001228
Pyridoxine hydrochloride	205.64	0.025	0.0001216
Riboflavin	376.36	0.01	0.0000266
Thiamine hydrochloride	337.27	0.01	0.0000296
Retinol Acetate	328.49	0.1	0.0003044
Ergocalciferol	396.65	0.1	0.0002521
$\alpha$ -Tocopheryl phosphate disodium	554.65	0.01	0.000018
i-Inositol	180.16	0.05	0.0002775
<b>其他成分 (Other Components)</b>			
2-Deoxy-D-Ribose	134.13	0.5	0.0037277
Adenine hemisulfate salt	184.17	10	0.0542977
Adenosine 5'-monophosphate monohydrate	365.24	0.2	0.0005476
Adenosine 5'-triphosphate disodium salt hydrate	551.14	1	0.0018144
Cholesterol	386.65	0.2	0.0005173
D-(+)-Glucose	180.16	1000	5.5506217
Glutathione (reduced)	307.32	0.05	0.0001627
Guanine hydrochloride	187.59	0.3	0.0015992
Sodium hypoxanthine	158.09	0.354	0.0022392
Phenol Red	376.4	20	0.053135
D-(-)-Ribose	150.13	0.5	0.0033304
Sodium acetate	82.03	50	0.6095331
Thymine	126.11	0.3	0.0023789
Tween 80®	1310	20	0.0152672
Uracil	112.09	0.3	0.0026764
Xanthine	152.11	0.3	0.0019723