

## 培养基配方表 (Media Formulation)

名称: MEM  $\alpha$  培养基 含酚红、L-谷氨酰胺、核苷和脱氧核苷

货号: L570KJ

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-Arginine hydrochloride	210.66	127	0.6028672
L-Cystine dihydrochloride	313.22	31	0.098972
L-Glutamine	146.14	292	1.998084
L-Histidine monohydrochloride hydrate	209.63	42	0.200353
L-Isoleucine	131.17	52.4	0.3994816
L-Leucine	131.17	52	0.3964321
L-Lysine hydrochloride	182.65	73	0.3996715
L-Methionine	149.21	15	0.1005295
L-Phenylalanine	165.19	32	0.1937163
L-Serine	105.09	25	0.2378913
L-Threonine	119.12	48	0.402955
L-Tryptophan	204.23	10	0.0489644
L-Tyrosine disodium salt dihydrate	261.18	52	0.1990964
L-Valine	117.15	46	0.392659
L-Aspartic acid	133.1	30	0.2253944
L-Glutamic Acid	147.13	75	0.5097533
L-Proline	115.13	40	0.3474333
L-Alanine	89.09	25	0.2806151
L-Asparagine monohydrate	150.13	50	0.3330447
L-Cysteine hydrochloride monohydrate	175.63	100	0.5693788
<b>无机盐 (Inorganic Salts)</b>			
Calcium Chloride	110.98	200	1.8021265
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>			
Choline chloride	139.62	1	0.0071623
D-Calcium pantothenate	238.27	1	0.0041969
Folic Acid	441.4	1	0.0022655
i-Inositol	180.16	2	0.0111012
Niacinamide	122.12	1	0.0081887

Riboflavin	376.36	0.1	0.0002657
Thiamine hydrochloride	337.27	1	0.002965
Biotin	244.31	0.1	0.0004093
Vitamin B12	1355.37	1.36	0.0010034
Pyridoxal hydrochloride	203.62	1	0.0049111
Ascorbic Acid	176.12	50	0.2838973
<b>核糖核苷 (Ribonucleoside)</b>			
Adenosine	267.24	10	0.0374195
Cytidine	243.22	10	0.041115
Guanosine	283.24	10	0.0353057
Uridine	244.2	10	0.04095
<b>脱氧核糖核苷 (Deoxyribonucleoside)</b>			
2'-Deoxyadenosine	251.25	10	0.03984064
2'-Deoxycytidine	227.22	10	0.041666668
2'-Deoxyguanosine	267.25	10	0.037453182
Thymidine	242.23	10	0.041322313
<b>其他成分 (Other Components)</b>			
D-(+)-Glucose	180.16	1000	5.5506217
Phenol Red	376.4	10	0.0265675
Sodium Pyruvate	110.04	110	0.9996365
Lipoic Acid	206.33	0.2	0.0009693