

## 培养基配方表 (Media Formulation)

名称: RPMI 1640 培养基 含酚红、L-谷氨酰胺和 HEPES

货号: L220KJ

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	10	0.133209
L-Cystine dihydrochloride	313.22	65	0.2075219
L-Glutamine	146.14	300	2.0528261
L-Isoleucine	131.17	50	0.3811847
L-Leucine	131.17	50	0.3811847
L-Lysine hydrochloride	182.65	40	0.2189981
L-Methionine	149.21	15	0.1005295
L-Phenylalanine	165.19	15	0.0908045
L-Serine	105.09	30	0.2854696
L-Threonine	119.12	20	0.1678979
L-Tryptophan	204.23	5	0.0244822
L-Tyrosine disodium salt dihydrate	261.18	29	0.1110345
L-Valine	117.15	20	0.1707213
L-Arginine	174.2	200	1.1481056
L-Asparagine monohydrate	150.13	56.82	0.378472
L-Aspartic acid	133.1	20	0.150263
L-Glutamic Acid	147.13	20	0.1359342
L-Histidine	155.15	15	0.0966806
L-Hydroxyproline	131.13	20	0.1525204
L-Proline	115.13	20	0.1737167
<b>无机盐 (Inorganic Salts)</b>			
Magnesium Sulfate	120.37	48.84	0.4057489
Potassium Chloride	74.55	400	5.3655265
Sodium Bicarbonate	84.01	2000	23.8066897
Sodium Chloride	58.44	5300	90.6913073
Calcium Nitrate tetrahydrate	236.15	100	0.4234597
Sodium Phosphate dibasic	141.96	800	5.6353903
<b>维生素 (Vitamins)</b>			
Choline chloride	139.62	3	0.0214869
D-Calcium pantothenate	238.27	0.25	0.0010492
Folic Acid	441.4	1	0.0022655
i-Inositol	180.16	35	0.1942718
Niacinamide	122.12	1	0.0081887
Pyridoxine hydrochloride	205.64	1	0.0048629

Riboflavin	376.36	0.2	0.0005314
Thiamine hydrochloride	337.27	1	0.002965
Biotin	244.31	0.2	0.0008186
Para-Aminobenzoic Acid	137.14	1	0.0072918
Vitamin B12	1355.4	0.005	0.0000037
<b>其他组分 (Other Components)</b>			
D-(+)-Glucose	180.16	2000	11.1012433
HEPES	238.3	5958	25.0020982
Phenol Red	376.4	5	0.0132837
Glutathione (reduced)	307.32	1	0.0032539