

培养基配方表 (Media Formulation)

名称: RPMI 1640 培养基 (ATCC 改良) 含酚红、4.5 g/L D-葡萄糖、300 mg/L L-谷氨酰胺、1 mM 丙酮酸钠和 10 mM HEPES

货号: L240KJ

组分 (Components)	分子量 (MW)	浓度 (mg/L)	摩尔浓度 (mM)
氨基酸 (Amino Acids)			
Glycine	75.07	10	0.133209
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-Cystine dihydrochloride	313.22	65	0.2075219
L-Glutamic Acid	147.13	20	0.1359342
L-Glutamine	146.14	300	2.0528261
L-Histidine	155.15	15	0.0966806
L-Hydroxyproline	131.13	20	0.1525204
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-Proline	115.13	20	0.1737167
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
无机盐 (Inorganic Salts)			
Calcium Nitrate tetrahydrate	236.15	100	0.4234597
Magnesium Sulfate	120.37	48.84	0.4057489
Potassium Chloride	74.55	400	5.3655265
Sodium Bicarbonate	84.01	1500	17.8550173
Sodium Chloride	58.44	6000	102.6694045
Sodium Phosphate dibasic	141.96	800	5.6353903
维生素 (Vitamins)			
Biotin	244.31	0.2	0.0008186
Choline chloride	139.62	3	0.0214869
D-Calcium pantothenate	238.27	0.25	0.0010492
Folic Acid	441.4	1	0.0022655
Niacinamide	122.12	1	0.0081887

Para-Aminobenzoic Acid	137.14	1	0.0072918
Pyridoxine hydrochloride	205.64	1	0.0048629
Riboflavin	376.36	0.2	0.0005314
Thiamine hydrochloride	337.27	1	0.002965
Vitamin B12	1355.37	0.005	0.0000037
i-Inositol	180.16	35	0.1942718
其他组分 (Other Components)			
D-(+)-Glucose	180.16	4500	25
Glutathione (reduced)	307.32	1	0.0032539
HEPES	238.3	2383	10
Phenol Red	376.4	5	0.0132837
Sodium Pyruvate	110.04	110	1