



RPMI 1640 培养基组分表

组分	分子量	MD0200	
		浓度 (mg/L)	摩尔浓度 (mM)
Glycine	75	10	0.13333334
L-Cystine 2HCl	313	65	0.20766774
L-Glutamine	146	300	2.0547945
L-Isoleucine	131	50	0.3816794
L-Leucine	131	50	0.3816794
L-Lysine hydrochloride	183	40	0.21857923
L-Methionine	149	15	0.10067114
L-Phenylalanine	165	15	0.09090909
L-Serine	105	30	0.2857143
L-Threonine	119	20	0.16806723
L-Tryptophan	204	5	0.024509804
L-Tyrosine disodium salt dihydrate	261	29	0.11111111
L-Valine	117	20	0.17094018
L-Arginine	174	200	1.1494253
L-Asparagine	132	50	0.37878788
L-Aspartic acid	133	20	0.15037593
L-Glutamic Acid	147	20	0.13605443
L-Histidine	155	15	0.09677419
L-Hydroxyproline	131	20	0.15267175
L-Proline	115	20	0.17391305
Magnesium Sulfate (MgSO4) (anhyd.)	120	48.84	0.407
Potassium Chloride (KCl)	75	400	5.3333335
Sodium Bicarbonate (NaHCO3)	84	2000	23.809525



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Sodium Chloride (NaCl)	58	6000	103.44827
Calcium nitrate (Ca(NO ₃) ₂ ·4H ₂ O)	236	100	0.42372882
Sodium Phosphate dibasic (Na ₂ HPO ₄) anhydrous	142	800	5.633803
Sodium Phosphate dibasic (Na ₂ HPO ₄ ·7H ₂ O)	268		
Choline chloride	140	3	0.021428572
D-Calcium pantothenate	477	0.25	0.000524109
Folic Acid	441	1	0.002267574
i-Inositol	180	35	0.19444445
Niacinamide	122	1	0.008196721
Pyridoxine hydrochloride	206	1	0.004854369
Riboflavin	376	0.2	0.000531915
Thiamine hydrochloride	337	1	0.002967359
Biotin	244	0.2	0.000819672
Para-Aminobenzoic Acid	137	1	0.00729927
Vitamin B12	1355	0.005	3.69004E-06
D-Glucose (Dextrose)	180	2000	11.111111
HEPES	238		
Phenol Red	376.4	5	0.013283741
Glutathione (reduced)	307	1	0.003257329