



McCoy's 5A 培养基组分表

组分	分子量	浓度 (mg/L)	摩尔浓度 (mM)
氨基酸			
Glycine	75	7.5	0.1
L-Alanine	89	13.9	0.15617977
L-Arginine hydrochloride	211	42.1	0.19952606
L-Asparagine	132	45	0.3409091
L-Aspartic acid	133	19.97	0.15015037
L-Cysteine	121	31.5	0.2603306
L-Glutamic Acid	147	22.1	0.15034014
L-Glutamine	146	219.2	1.5013698
L-Histidine hydrochloride-H ₂ O	210	20.96	0.09980952
L-Hydroxyproline	131	19.7	0.15038168
L-Isoleucine	131	39.36	0.300458
L-Leucine	131	39.36	0.300458
L-Lysine hydrochloride	183	36.5	0.19945355
L-Methionine	149	14.9	0.099999994
L-Phenylalanine	165	16.5	0.1
L-Proline	115	17.3	0.15043478



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L-Serine	105	26.3	0.25047618
L-Threonine	119	17.9	0.15042016
L-Tryptophan	204	3.1	0.015196078
L-Tyrosine	181	18.1	0.1
L-Valine	117	17.6	0.15042736
维生素			
Ascorbic Acid	176	0.5	0.002840909
Biotin	244	0.2	8.20E-04
Choline chloride	140	5	0.035714287
D-Calcium pantothenate	477	0.2	4.19E-04
Folic Acid	441	10	0.022675738
Niacinamide	122	0.5	0.00409836
Nicotinic acid (Niacin)	123	0.5	0.004065041
Para-Aminobenzoic Acid	137	1	0.00729927
Pyridoxal hydrochloride	204	0.5	0.002450981
Pyridoxine hydrochloride	206	0.5	0.002427185
Riboflavin	376	0.2	5.32E-04
Thiamine hydrochloride	337	0.2	5.93E-04
Vitamin B12	1355	2	0.001476015
i-Inositol	180	36	0.2
无机盐			



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Calcium Chloride (CaCl ₂) (anhyd.)	111	100	0.9009009
Magnesium Sulfate (MgSO ₄ -7H ₂ O)	246	200	0.8130081
Potassium Chloride (KCl)	75	400	5.3333335
Sodium Bicarbonate (NaHCO ₃)	84	2200	26.190475
Sodium Chloride (NaCl)	58	6460	111.37931
Sodium Phosphate monobasic (NaH ₂ PO ₄ -H ₂ O)	138	580	4.2028985
其他组分			
Bacto-Peptone		600	Infinity
D-Glucose (Dextrose)	180	3000	16.6666666
Glutathione (reduced)	307	0.5	0.001628664
Phenol Red	376.4	10	0.026567481