



MEM α 培养基组分表

组分	分子量	MD0800	
		浓度 (mg /L)	摩尔浓度 (mM)
Glycine	75	50	0.6666667
L-Arginine hydrochloride	211	105	0.49763033
L-Cystine 2HCl	313	31	0.09904154
L-Glutamine	146	292	2
L-Histidine hydrochloride-H ₂ O	210		
L-Isoleucine	131	52.4	0.4
L-Leucine	131	52	0.39694658
L-Lysine hydrochloride	183		
L-Methionine	149	15	0.10067114
L-Phenylalanine	165	32	0.19393939
L-Serine	105	25	0.23809524
L-Threonine	119	48	0.40336135
L-Tryptophan	204	10	0.04901961
L-Tyrosine disodium salt dihydrate	261		
L-Valine	117	46	0.3931624
L-Asparagine	132		
L-Aspartic acid	133	30	0.22556391
L-Glutamic Acid	147	75	0.5102041
L-Histidine	155	31	0.2
L-Proline	115	40	0.3478261
L-Alanine	89	25	0.28089887
L-Asparagine-H ₂ O	150	50	0.33333334
L-Cysteine hydrochloride-H ₂ O	176	100	0.5681818



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L-Tyrosine disodium salt	225	52	0.23111111
L-Lysine	183	73	0.3989071
Calcium Chloride (CaCl ₂) (anhyd.)	111	200	1.8018018
Magnesium Sulfate (MgSO ₄) (anhyd.)	120	97.67	0.8139166
Potassium Chloride (KCl)	75	400	5.3333335
Sodium Bicarbonate (NaHCO ₃)	84	2200	26.190475
Sodium Chloride (NaCl)	58	6800	117.24138
Sodium Phosphate monobasic (NaH ₂ PO ₄ -H ₂ O)	138	140	1.0144928
Sodium Phosphate dibasic (Na ₂ HPO ₄ -H ₂ O)	138		
Choline chloride	140	1	0.007142857
D-Calcium pantothenate	477	1	0.002096436
Folic Acid	441	1	0.002267574
i-Inositol	180	2	0.011111111
Niacinamide	122	1	0.008196721
Pyridoxine hydrochloride	204		
Riboflavin	376	0.1	0.000265957
Thiamine hydrochloride	337	1	0.002967359
Biotin	244	0.1	0.000409836
Vitamin B ₁₂	1355	1.36	0.00100369
Pyridoxal hydrochloride	204	1	0.004901961
Ascorbic Acid phosphate	290		
Ascorbic Acid	176	50	0.2840909
AlbuMAX® II			
Human Transferrin (Holo)			
Insulin Recombinant Full Chain	5964		
Ammonium Metavanadate	117		



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Cupric Sulfate	250		
Manganous Chloride	198		
Sodium Selenite	173		
Adenosine	267	10	0.037453182
Cytidine	243	10	0.041152265
Guanosine	283	10	0.03533569
Uridine	244	10	0.040983606
2'Deoxyadenosine	251	10	0.03984064
2'Deoxycytidine HCl	264	11	0.041666668
2'Deoxyguanosine	267	10	0.037453182
Thymidine	242	10	0.041322313
D-Glucose (Dextrose)	180	1000	5.5555553
Phenol Red	376.4	10	0.026567481
Sodium Pyruvate	110	110	1
Glutathione (reduced)	307		
Ethanolamine	98		
Lipoic Acid	206	0.2	0.000970874