



EMEM 基础培养基组分表

组分	分子量	MD0300	
		浓度 (mg/L)	摩尔浓度 (mM)
Glycine	75	8	0.10666667
L-Arginine hydrochloride	211	126	0.5971564
L-Cystine 2HCl	313	31	0.09904154
L-Glutamine	146	292	2
L-Histidine hydrochloride-H ₂ O	210	42	0.2
L-Isoleucine	131	52.4	0.4
L-Leucine	131	52.4	0.4
L-Lysine hydrochloride	183	72.5	0.39617488
L-Methionine	149	15	0.10067114
L-Phenylalanine	165	32	0.19393939
L-Serine	105	11	0.104761906
L-Threonine	119	48	0.40336135
L-Tryptophan	204	10	0.04901961
L-Tyrosine disodium salt dihydrate	261	52	0.19923371
L-Valine	117	46	0.3931624
L-Asparagine	132		
L-Aspartic acid	133	13	0.09774436
L-Glutamic Acid	147	15	0.10204082
L-Histidine	155		
L-Proline	115	12	0.104347825
L-Alanine	89	9	0.101123594



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L-Asparagine-H ₂ O	150	14.8	0.09848485
L-Cysteine hydrochloride-H ₂ O	176		
L-Tyrosine disodium salt	225		
L-Lysine	183		
Calcium Chloride (CaCl ₂) (anhyd.)	111	200	1.8018018
Magnesium Sulfate (MgSO ₄) (anhyd.)	120	97.67	0.8133166
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		
Vitamin B12	1355		
Pyridoxal hydrochloride	204	1	0.004901961



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Ascorbic Acid phosphate	290		
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AlbuMAX® II			
Human Transferrin (Holo)			
Insulin Recombinant Full Chain	5964		
Ammonium Metavanadate	117		
Cupric Sulfate	250		
Manganous Chloride	198		
Sodium Selenite	173		
Adenosine	267		
Cytidine	243		
Guanosine	283		
Uridine	244		
2'Deoxyadenosine	251		
2'Deoxycytidine HCl	264		
2'Deoxyguanosine	267		
Thymidine	242		
D-Glucose (Dextrose)	180	1000	5.5555553
Phenol Red	376.4	10	0.026567481
Sodium Pyruvate	110		
Glutathione (reduced)	307		
Ethanolamine	98		
Lipoic Acid	206		