



DMEM/ F-12 培养基组分表

组分	分子量	MD0600	
		浓度 (mg/L)	摩尔浓度 (mM)
Glycine	75	18.75	0.25
L-Alanine	89	4.45	0.05
L-Arginine hydrochloride	211	147.5	0.69905
L-Asparagine-H ₂ O	150	7.5	0.05
L-Aspartic acid	133	6.65	0.05
L-Cysteine hydrochloride-H ₂ O	176	17.56	0.09977
L-Cystine 2HCl	313	31.29	0.09997
L-Glutamic Acid	147	7.35	0.05
L-Glutamine	146	365	2.5
L-Histidine hydrochloride-H ₂ O	210	31.48	0.1499
L-Isoleucine	131	54.47	0.4158
L-Leucine	131	59.05	0.45076
L-Lysine hydrochloride	183	91.25	0.49863
L-Methionine	149	17.24	0.1157
L-Phenylalanine	165	35.48	0.21503
L-Proline	115	17.25	0.15
L-Serine	105	26.25	0.25
L-Threonine	119	53.45	0.44916
L-Tryptophan	204	9.02	0.04422
L-Tyrosine disodium salt dihydrate	261	55.79	0.21375
L-Valine	117	52.85	0.45171
Calcium Chloride (CaCl ₂) (anhyd.)	111	116.6	1.05045



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Cupric sulfate (CuSO ₄ ·5H ₂ O)	250	0.0013	5.2E-06
Ferric Nitrate (Fe(NO ₃) ₃ ·9H ₂ O)	404	0.05	0.00012
Ferric sulfate (FeSO ₄ ·7H ₂ O)	278		
Ferrous Sulfate (FeSO ₄ ·7H ₂ O)	278	0.417	0.0015
Magnesium Chloride (anhydrous)	95		
Magnesium Chloride (MgCl ₂ ·6H ₂ O)	203	61	0.30049
Magnesium Sulfate (MgSO ₄) (anhyd.)	120		
Magnesium Sulfate (MgSO ₄ ·7H ₂ O)	246	100	0.4065
Potassium Chloride (KCl)	75	311.8	4.15733
Sodium Bicarbonate (NaHCO ₃)	84	1200	14.2857
Sodium Chloride (NaCl)	58	6995.5	120.612
Sodium Phosphate dibasic (Na ₂ HPO ₄) anhydrous	142		
Sodium Phosphate dibasic (Na ₂ HPO ₄ ·7H ₂ O)	268	134	0.5
Sodium Phosphate monobasic (NaH ₂ PO ₄ ·H ₂ O)	138	62.5	0.4529
Zinc sulfate (ZnSO ₄ ·7H ₂ O)	288	0.432	0.0015
D-Glucose (Dextrose)	180	3151	17.5056
Ethanolamine	97.54		
HEPES	238	3574.5	15.0189
Hypoxanthine Na	159	2.39	0.01503
Linoleic Acid	280	0.042	0.00015
Lipoic Acid	206	0.105	0.00051
Phenol Red	376.4	8.1	0.02152
Putrescine 2HCl	161	0.081	0.0005
Sodium Pyruvate	110	55	0.5



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Thymidine	242	0.365	0.00151
Bovine Serum Albumin			
Human Transferrin (Holo)			
Insulin Recombinant			
Glutathione, monosodium	307		
Ammonium Metavanadate	116.98		
Manganous Chloride	198		
Sodium Selenite	173		
Ascorbic Acid phosphate	289.54		
Biotin	244	0.0035	1.4E-05
Choline chloride	140	8.98	0.06414
D-Calcium pantothenate	477	2.24	0.0047
Folic Acid	441	2.65	0.00601
i-Inositol	180	12.6	0.07
Niacinamide	122	2.02	0.01656
Pyridoxine hydrochloride	206	2	0.00971
Riboflavin	376	0.219	0.00058
Thiamine hydrochloride	337	2.17	0.00644
Vitamin B12	1355	0.68	0.0005