

培养基配方表 (Media Formulation)

名称: IMDM 培养基 含酚红、L-谷氨酰胺、丙酮酸钠和 HEPES 不含 β -巯基乙醇和 α -硫代甘油

货号: L610KJ

组分 (Components)	分子量 (MW)	浓度 (mg/L)	摩尔浓度 (mM)
氨基酸 (Amino Acids)			
Glycine	75.07	30	0.399627
L-Alanine	89.09	25	0.2806151
L-Arginine hydrochloride	210.66	84	0.3987468
L-Asparagine monohydrate	150.13	28.41	0.189236
L-Aspartic acid	133.1	30	0.2253944
L-Cystine dihydrochloride	313.22	91.2	0.2911691
L-Glutamic Acid	147.13	75	0.5097533
L-Glutamine	146.14	584	3.9961681
L-Histidine monohydrochloride hydrate	209.63	42	0.200353
L-Isoleucine	131.17	105	0.8004879
L-Leucine	131.17	105	0.8004879
L-Lysine hydrochloride	182.65	146	0.799343
L-Methionine	149.21	30	0.2010589
L-Phenylalanine	165.19	66	0.3995399
L-Proline	115.13	40	0.3474333
L-Serine	105.09	42	0.3996574
L-Threonine	119.12	95	0.7975151
L-Tryptophan	204.23	16	0.078343
L-Tyrosine disodium salt dihydrate	261.18	120.7	0.4621334
L-Valine	117.15	94	0.8023901
无机盐 (Inorganic Salts)			
Calcium Chloride	110.98	165	1.4867544
Magnesium Sulfate	120.37	98	0.8141564
Potassium Chloride	74.55	330	4.4265594
Potassium Nitrate	101.1	0.076	0.0007517
Sodium Bicarbonate	84.01	3024	35.9957148
Sodium Chloride	58.44	4500	77.0020534
Sodium Phosphate monobasic hydrate	137.99	125	0.9058627
Sodium Selenite	172.94	0.017	0.0000983
维生素 (Vitamins)			
Biotin	244.31	0.013	0.0000532
Choline chloride	139.62	4	0.0286492
D-Calcium pantothenate	238.27	4	0.0167877
Folic Acid	441.4	4	0.0090621

Niacinamide	122.12	4	0.0327547
Pyridoxal hydrochloride	203.62	4	0.0196444
Riboflavin	376.36	0.4	0.0010628
Thiamine hydrochloride	337.27	4	0.0118599
Vitamin B12	1355.37	0.013	0.0000096
i-Inositol	180.16	7.2	0.0399645
其他成分 (Other Components)			
D-(+)-Glucose	180.16	4500	24.9777975
HEPES	238.3	5958	25.0020982
Phenol Red	376.4	15	0.0398512
Sodium Pyruvate	110.04	110	0.9996365