

培养基配方表 (Media Formulation)

名称: S-Reduce® MEM 减血清培养基 (Advanced) 含酚红、丙酮酸钠和非必需氨基酸, 不含 L-谷氨酰胺
 货号: L520KJ

组分 (Components)	分子量 (MW)	浓度 (mg/L)	摩尔浓度 (mM)
氨基酸 (Amino Acids)			
Glycine	75.07	7.5	0.0999068
L-Arginine hydrochloride	210.66	126	0.5981202
L-Cystine dihydrochloride	313.22	31	0.098972
L-Histidine monohydrochloride hydrate	209.63	42	0.200353
L-Isoleucine	131.17	52	0.3964321
L-Leucine	131.17	52	0.3964321
L-Lysine hydrochloride	182.65	72.5	0.396934
L-Methionine	149.21	15	0.1005295
L-Phenylalanine	165.19	32	0.1937163
L-Serine	105.09	10.5	0.0999144
L-Threonine	119.12	48	0.402955
L-Tryptophan	204.23	10	0.0489644
L-Tyrosine disodium salt dihydrate	261.18	52	0.1990964
L-Valine	117.15	46	0.392659
L-Aspartic acid	133.1	13.3	0.0999249
L-Glutamic Acid	147.13	14.7	0.0999116
L-Proline	115.13	11.5	0.0998871
L-Alanine	89.09	8.9	0.099899
L-Asparagine monohydrate	150.13	15	0.0999134
无机盐 (Inorganic Salts)			
Calcium Chloride	110.98	200	1.8021265
Magnesium Sulfate	120.37	97.67	0.8114148
Potassium Chloride	74.55	400	5.3655265
Sodium Bicarbonate	84.01	2200	26.1873586
Sodium Chloride	58.44	6800	116.3586585
Sodium Phosphate monobasic hydrate	137.99	140	1.0145663
维生素 (Vitamins)			
Choline chloride	139.62	1	0.0071623
D-Calcium pantothenate	238.27	1	0.0041969
Folic Acid	441.4	1	0.0022655
i-Inositol	180.16	2	0.0111012
Niacinamide	122.12	1	0.0081887
Pyridoxine hydrochloride	205.64	1	0.0048629
Riboflavin	376.36	0.1	0.0002657

Thiamine hydrochloride	337.27	1	0.002965
Ascorbic Acid phosphate	289.54	2.5	0.0086344
微量元素 (Trace Elements)			
Ammonium Metavanadate	116.98	0.0003	0.0000026
Copper Sulfate pentahydrate	249.69	0.00125	0.000005
Manganese Chloride Tetrahydrate	197.91	5	0.025264
Sodium Selenite	172.94	0.005	0.0000289
其他成分 (Other Components)			
D-(+)-Glucose	180.16	1000	5.5506217
Phenol Red	376.4	10	0.0265675
Sodium Pyruvate	110.04	110	0.9996365
Glutathione (reduced)	307.32	1	0.0032539
Ethanolamine hydrochloride	97.54	1.9	0.0194792