

### 培养基配方表 (Media Formulation)

名称: MCDB 131 培养基 不含 L-谷氨酰胺

货号: L681KJ

组分 (Components)	分子量 (MW)	浓度 (mg/L)	摩尔浓度 (mM)
<b>氨基酸 (Amino Acids)</b>			
L-Alanine	89.09	2.67	0.02996969
L-Arginine Hydrochloride	210.66	63.21	0.30005696
L-Asparagine Monohydrate	150.13	15.01	0.09998002
L-Aspartic Acid	133.1	13.31	0.10000000
L-Cysteine Hydrochloride Monohydrate	175.63	35.12	0.19996584
L-Glutamic Acid	147.13	4.413	0.02999388
L-Glutamine	146.14		
L-Histidine Monohydrochloride Monohydrate	209.63	41.92	0.19997138
L-Isoleucine	131.17	65.6	0.50011436
L-Leucine	131.17	131.2	1.00022871
L-Lysine Hydrochloride	182.65	182.6	0.99972625
L-Methionine	149.21	14.92	0.09999330
L-Phenylalanine	165.19	33.04	0.20001211
L-Proline	115.13	11.51	0.09997394
L-Serine	105.09	31.53	0.30002855
L-Threonine	119.12	11.91	0.09998321
L-Tryptophan	204.23	4.08	0.01997748
L-Tyrosine Disodium Dihydrate	261.18	26.1	0.09993108
L-Valine	117.15	117.1	0.99957320
Glycine	75.07	2.25	0.02997203
<b>无机盐 (Inorganic Salts)</b>			
Ammonium Metavanadate	116.98	0.0006	0.00000513
Ammonium Molybdate Tetrahydrate	1235.86	0.0037	0.00000299
Calcium Chloride dihydrate	147.01	235.2	1.59989116
Copper Sulfate Pentahydrate	249.69	0.0012	0.00000481
Ferrous Sulfate Heptahydrate	278.01	0.278	0.00099996
Magnesium Chloride Hexahydrate	203.3		
Magnesium Sulfate	120.37	1204	10.00249232
Manganese Sulfate Monohydrate	169.02	0.0002	0.00000118
Nickel Chloride Hexahydrate	237.69	0.0001	0.00000042
Potassium Chloride	74.55	298.2	4.00000000
Sodium Bicarbonate	84.01	1180	14.04594691
Sodium Chloride	58.44	6430	110.02737851

Sodium Metasilicate Nonahydrate	284.2	2.842	0.01000000
Sodium Phosphate Dibasic	141.96	71	0.50014088
Sodium Selenite	172.94	0.0052	0.00003007
Tin Chloride Dihydrate	225.65		
Zinc Sulfate Heptahydrate	287.56	0.0003	0.00000104
<b>维生素 (Vitamins)</b>			
Biotin	244.31	0.0073	0.00002988
Choline Chloride	139.62	13.96	0.09998568
D-Calcium Pantothenate	238.27	11.915	0.05000630
DL- $\alpha$ -Lipoic Acid	206.33	0.0021	0.00001018
Folic Acid	441.4		
Folinic Acid Calcium Hydrate	511.5	0.5115	0.00100000
i-Inositol	180.16	7.208	0.04000888
Niacinamide	122.12	6.105	0.04999181
Pyridoxine Hydrochloride	205.64	2.056	0.00999805
Riboflavin	376.36	0.0038	0.00001010
Thiamine Hydrochloride	337.27	3.373	0.01000089
VitaminB12 (Cyanocob alamin)	1355.37	0.0136	0.00001003
<b>其他组分 (Other Components)</b>			
Adenine Hemisulfate Salt	184.17	0.1716	0.00093175
D-(+)-Glucose	180.16	1000	5.55062167
HEPES	238.3		
Phenol Red Sodium Salt	376.4	12.4	0.03294368
Putrescine Dihydrochloride	161.07	0.0002	0.00000124
Sodium Acetate	82.03		
Sodium Pyruvate	110.04	110	0.99963650
Thymidine	242.23	0.0242	0.00009991