

培养基配方表 (Media Formulation)

名称: DMEM/F-12 (1:1) 培养基 含 L-谷氨酰胺、丙酮酸钠和 HEPES, 不含酚红

货号: L340KJ

组分 (Components)	分子量 (MW)	浓度 (mg/L)	摩尔浓度 (mM)
氨基酸 (Amino Acids)			
Glycine	75.07	18.75	0.25
L-Alanine	89.09	4.45	0.05
L-Arginine hydrochloride	210.66	147.5	0.7
L-Asparagine monohydrate	150.13	7.5	0.05
L-Aspartic acid	133.1	6.65	0.05
L-Cysteine hydrochloride monohydrate	175.63	17.56	0.1
L-Cystine dihydrochloride	313.22	31.29	0.1
L-Glutamic Acid	147.13	7.35	0.05
L-Glutamine	146.14	365	2.5
L-Histidine monohydrochloride hydrate	209.63	31.48	0.15
L-Isoleucine	131.17	54.47	0.4152626
L-Leucine	131.17	59.05	0.45
L-Lysine hydrochloride	182.65	91.25	0.5
L-Methionine	149.21	17.24	0.1155419
L-Phenylalanine	165.19	35.48	0.214783
L-Proline	115.13	17.25	0.15
L-Serine	105.09	26.25	0.25
L-Threonine	119.12	53.45	0.4487072
L-Tryptophan	204.23	9.02	0.0441659
L-Tyrosine disodium salt dihydrate	261.18	55.79	0.2136075
L-Valine	117.15	52.85	0.451131
无机盐 (Inorganic Salts)			
Calcium Chloride	110.98	116.6	1.0506398
Copper Sulfate pentahydrate	249.69	0.0013	0.0000052
Ferric nitrate nonahydrate	404	0.05	0.0001238
Ferrous Sulfate heptahydrate	278.01	0.417	0.0015
Magnesium Chloride hexahydrate	203.3	61	0.3
Magnesium Sulfate	120.37	48.84	0.4057489
Potassium Chloride	74.55	311.8	4.1824279
Sodium Bicarbonate	84.01	1200	14.2840138
Sodium Chloride	58.44	6995.5	119.7039699
Sodium Phosphate dibasic	141.96	71.02	0.5
Sodium Phosphate monohydrate	137.99	62.5	0.4529314
Zinc Sulfate heptahydrate	287.56	0.432	0.0015023

维生素 (Vitamins)			
Biotin	244.31	0.0035	0.0000143
Choline chloride	139.62	8.98	0.0643174
D-Calcium pantothenate	238.27	2.24	0.0094011
Folic Acid	441.4	2.65	0.006
i-Inositol	180.16	12.6	0.07
Niacinamide	122.12	2.02	0.0165411
Pyridoxine hydrochloride	205.64	2.031	0.0098765
Riboflavin	376.36	0.219	0.0005819
Thiamine hydrochloride	337.27	2.17	0.006434
Vitamin B12	1355.37	0.68	0.0005017
其他组分 (Other Components)			
D-(+)-Glucose	180.16	3151	17.49
HEPES	238.3	3574.5	15
Sodium Hypoxanthine	158.09	2.39	0.015118
Linoleic Acid	280.45	0.042	0.00015
Lipoic Acid	206.33	0.105	0.0005089
Putrescine dihydrochloride	161.07	0.081	0.0005029
Sodium Pyruvate	110.04	55	0.5
Thymidine	242.23	0.365	0.0015068