

HAKATA IMDM 培养基配方表

(含 L-谷氨酰胺、HEPES, 不含 α -硫代甘油)

Components	Concentration (mg/L)	mM
Amino Acids		
Glycine	30	0.4
L-Alanine	25	0.28089887
L-Arginine hydrochloride	84	0.39810428
L-Asparagine-H ₂ O	28.4	0.18933333
L-Aspartic acid	30	0.22556391
L-Cystine	70	0.29166666
L-Glutamic Acid	75	0.5102041
L-Glutamine	584	4
L-Histidine hydrochloride-H ₂ O	42	0.2
L-Isoleucine	105	0.8015267
L-Leucine	105	0.8015267
L-Lysine hydrochloride	146	0.7978142
L-Methionine	30	0.20134228
L-Phenylalanine	66	0.4
L-Proline	40	0.3478261
L-Serine	42	0.4
L-Threonine	95	0.79831934
L-Tryptophan	16	0.078431375
L-Tyrosine disodium salt	104	0.46222222
L-Valine	94	0.8034188
Vitamins		
Biotin	0.013	5.32787E-05
Choline chloride	4	0.028571429
D-Calcium pantothenate	4	0.008385744
Folic Acid	4	0.009070295
Niacinamide	4	0.032786883
Pyridoxal hydrochloride	4	0.019607844
Riboflavin	0.4	0.00106383

Thiamine hydrochloride	4	0.011869436
Vitamin B12	0.013	9.5941E-06
i-Inositol	7.2	0.04
Inorganic Salts		
Calcium Chloride (CaCl ₂ -2H ₂ O)	219	1.4897959
Magnesium Sulfate (MgSO ₄ -2H ₂ O)	200	1.1363636
Potassium Chloride (KCl)	330	4.4
Potassium Nitrate (KNO ₃)	0.076	0.000752475
Sodium Bicarbonate (NaHCO ₃)	3024	36
Sodium Chloride (NaCl)	4505	77.67242
Sodium Phosphate monobasic (NaH ₂ PO ₄ -2H ₂ O)	141	0.90384614
Sodium Selenite (Na ₂ SeO ₃ -5H ₂ O)	0.0173	6.57795E-05
Other Components		
D-Glucose (Dextrose)	4500	25
HEPES	5958	25.033613
Phenol Red	15	0.039851222
Sodium Pyruvate	110	1