

HAKATA M199 培养基配方表

(EBSS*, 含 L-谷氨酰胺、L-氨基酸)

Components	Concentration (mg/L)	mM
Amino Acids		
Glycine	50	0.6666667
L-Alanine	25	0.28089887
L-Arginine hydrochloride	70	0.33175355
L-Aspartic acid	30	0.22556391
L-Cysteine hydrochloride-H2O	0.1	0.000568182
L-Cystine 2HCl	26	0.108333334
L-Glutamic Acid	75	0.5102041
L-Glutamine	100	0.6849315
L-Histidine hydrochloride-H2O	21.88	0.10419047
L-Hydroxyproline	10	0.07633588
L-Isoleucine	40	0.3053435
L-Leucine	60	0.45801526
L-Lysine hydrochloride	70	0.38251367
L-Methionine	15	0.10067114
L-Phenylalanine	25	0.15151516
L-Proline	40	0.3478261
L-Serine	25	0.23809524
L-Threonine	30	0.25210086
L-Tryptophan	10	0.04901961
L-Tyrosine disodium salt dihydrate	58	0.22222222
L-Valine	25	0.21367522
Vitamins		
Ascorbic Acid	0.05	0.000284091
Biotin	0.01	4.09836E-05
Choline chloride	0.5	0.003571429

D-Calcium pantothenate	0.01	2.09644E-05
Folic Acid	0.01	2.26757E-05
Menadione (Vitamin K3)	0.01	5.81395E-05
Niacinamide	0.025	0.000204918
Nicotinic acid (Niacin)	0.025	0.000203252
Para-Aminobenzoic Acid	0.05	0.000364964
Pyridoxal hydrochloride	0.025	0.000122549
Pyridoxine hydrochloride	0.025	0.000121359
Riboflavin	0.01	2.65957E-05
Thiamine hydrochloride	0.01	2.96736E-05
Vitamin A (acetate)	0.1	0.000304878
Vitamin D2 (Calciferol)	0.1	0.000251889
alpha Tocopherol phos. Na salt	0.01	1.80278E-05
i-Inositol	0.05	0.000277778
Inorganic Salts		
Calcium Chloride (CaCl ₂) (anhyd.)	200	1.8018018
Ferric nitrate (Fe(NO ₃)-9H ₂ O)	0.7	0.001732673
Magnesium Sulfate (MgSO ₄) (anhyd.)	97.67	0.8139166
Potassium Chloride (KCl)	400	5.3333335
Sodium Bicarbonate (NaHCO ₃)	2200	26.190475
Sodium Chloride (NaCl)	6800	117.24138
Sodium Phosphate monobasic (NaH ₂ PO ₄ -H ₂ O)	140	1.0144928
Other Components		
2-deoxy-D-ribose	0.5	0.003731343
Adenine sulfate	10	0.024752475
Adenosine 5'-phosphate	0.2	0.000576369
Adenosine 5'-triphosphate	1	0.001652893
Cholesterol	0.2	0.000516796
D-Glucose (Dextrose)	1000	5.5555553
Glutathione (reduced)	0.05	0.000162866
Guanine hydrochloride	0.3	0.001595745
Hypoxanthine Na	0.4	0.002941177

Phenol Red	20	0.053134963
Ribose	0.5	0.003333333
Sodium Acetate	50	0.6097561
Thymine	0.3	0.002380953
Tween 80 [®]	20	Infinity
Uracil	0.3	0.002678572
Xanthine-Na	0.34	0.002236842