

MCDB 131 Medium Ingredient Formula

Ingredient	Concentration (mg/L)
Inorganic Salt	
(NH ₄) ₆ Mo ₇ O ₂₄ •4H ₂ O	0.0037
NH ₄ VO ₃	0.0006
CaCl ₂ (Anhydrous)	177.5
CuSO ₄ •5H ₂ O	0.001249
FeSO ₄ •7H ₂ O	0.283
MgSO ₄ (Anhydrous)	1204
MnSO ₄ •H ₂ O	0.0002
NiCl ₂ •6H ₂ O	0.000071
KCl	298
H ₂ SeO ₃	0.0038
NaHCO ₃	1176
NaCl	6430
NaSiO ₃ •9H ₂ O	2.8
Na ₂ HPO ₄ (Anhydrous)	71
ZnSO ₄ •7H ₂ O	0.0003
Amino Acid	
Glycine	2.3
L-Alanine	2.7
L-Arginine Hydrochloride	63.2
L-Asparagine Monohydrate	15
L-Aspartic Acid	13.3
L-Cysteine Hydrochloride	35
L-Glutamic Acid	4.4
L-Glutamine	-
L-Histidine Hydrochloride	42
L-Isoleucine	66
L-Leucine	131
L-Lysine Hydrochloride	182
L-Methionine	15
L-Phenylalanine	33
L-Proline	11.5
L-Serine	32
L-Threonine	12
L-Tryptophan	4.1
L-Tyrosine Disodium Salt	22.52
L-Valine	117
Vitamin	
Biotin	0.0073
Choline Chloride	14
D-Calcium Pantothenate	12
Calcium Folate	0.6
Niacinamide	6.1
Pyridoxine Hydrochloride	2.1
Riboflavin	0.0038
Thiamine Hydrochlorid	3.4
Vitamin B12	0.0136
Meso-inositol	7.2
Others	
D-Glucose	1000
Adenine	0.135
Lipoic Acid	0.0021
Putrescine Dihydrochloride	0.0002
Sodium Pyruvate	110
Phenol Red	12.4