

MCDB 131

Catalog No.	15-100 1X, Liquid MCDB 131
Inorganic Salts	mg/L
CaCl ₂ • 2H ₂ O	235.20
CuSO ₄ • 5H ₂ O	0.0012
FeSO ₄ • 7H ₂ O	0.278
KCl	298.20
MgSO ₄ (anhydrous)	1204.00
MnSO ₄ • H ₂ O	0.0002
NaCl	6428.40
Na ₂ HPO ₄ (anhydrous)	71.00
NaHCO ₃	1180.00
Na ₂ SeO ₃	0.0052
Na ₂ SiO ₃ • 9H ₂ O	2.842
(NH ₄) ₆ Mo ₇ O ₂₄ • 4H ₂ O	0.0037
NH ₄ VO ₃	0.0006
NiCl ₂ • 6H ₂ O	0.0001
ZnSO ₄ • 7H ₂ O	0.0003
Amino Acids	
L-Alanine	2.67
L-Arginine • HCl	63.21
L-Asparagine • H ₂ O	15.01
L-Aspartic Acid	13.31
L-Cysteine • HCl • H ₂ O	35.12
L-Glutamic Acid	4.413
L-Glutamine	--
L-Glycine	2.25
L-Histidine • HCl • H ₂ O	41.92
L-Isoleucine	65.60
L-Leucine	131.20
L-Lysine • HCl	182.60
L-Methionine	14.92
L-Phenylalanine	33.04
L-Proline	11.51
L-Serine	31.53
L-Threonine	11.91
L-Tryptophan	4.08
L-Tyrosine • 2Na • 2H ₂ O	22.52
L-Valine	117.10
Vitamins	
Biotin	0.0073
D-Calcium pantothenate	11.915
Choline chloride	13.96
Calcium folinic acid	0.5115
i-Inositol	7.208
Nicotinamide	6.105
Lipoic Acid	0.0021
Pyridoxine • HCl	2.056
Riboflavin	0.0038
Thiamine • HCl	3.373
Vitamin B ₁₂	0.0136

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Other	mg/L
Bacto-peptone	1000.00
D-Glucose	1000.00
Glutathione (reduced)	12.421
Putrescine • 2HCl	0.0002
Phenol red, Na	12.421
Sodium Pyruvate	110.00
Thymidine	0.0242
Adenine HCl	0.1716
Add	
NaHCO ₃	
Powder (g/L)	--
7.5% Solution (mL/L)	--
Specifications	
pH (after buffer)	7.4 ± 0.2
Osmolality (mOsm/kg)	280 ± 20