

BioWhittaker™クラシック培地の組成

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培地199

カタログ番号	12-109 Liquid mg/L	12-117 Liquid mg/L	12-118 Liquid mg/L	12-119 Liquid mg/L
Component				
Inorganic Salts				
CaCl ₂ ·2H ₂ O	186.00	265.00	186.00	265.00
Fe(NO ₃) ₃ ·9H ₂ O	0.72	0.72	0.72	0.72
KCl	400.00	400.00	400.00	400.00
KH ₂ PO ₄	60.00		60.00	
MgSO ₄ ·7H ₂ O	200.00	200.00	200.00	200.00
NaCl	8,000.00	5,800.00	7,000.00	6,800.00
NaHCO ₃	1,400.00	2,200.00	1,400.00	2,200.00
Na ₂ HPO ₄ ·7H ₂ O	90.00		90.00	
NaH ₂ PO ₄ ·H ₂ O		140.00		140.00
Other Components				
Adenine Sulfate	10.00	10.00	10.00	10.00
Adenosine Monophosphate	0.20	0.20	0.20	0.20
Adenosine Triphosphate·2 Na	1.00	1.00	1.00	1.00
Deoxyribose	0.50	0.50	0.50	0.50
Glucose	1,000.00	1,000.00	1,000.00	1,000.00
Glutathione (reduced)	0.05	0.05	0.05	0.05
Guanine·HCl	0.30	0.30	0.30	0.30
HEPES		5,957.40	5,957.40	
Hypoxanthine	0.30	0.30	0.30	0.30
Phenol Red·Na	15.00	15.00	15.00	15.00
Ribose	0.50	0.50	0.50	0.50
Sodium Acetate·3H ₂ O	83.00	83.00	83.00	83.00
Thymine	0.30	0.30	0.30	0.30
Tween 80	4.90	4.90	4.90	4.90
Uracil	0.30	0.30	0.30	0.30
Xanthine	0.30	0.30	0.30	0.30
Amino Acids				
L-Alanine	25.00	25.00	25.00	25.00
L-Arginine·HCl	70.00	70.00	70.00	70.00
L-Aspartic Acid	30.00	30.00	30.00	30.00
L-Cysteine·HCl·H ₂ O	0.10	0.10	0.10	0.10
L-Cystine	20.00	20.00	20.00	20.00
L-Glutamic Acid	67.00	67.00	67.00	67.00
L-Glutamine	100.00	100.00	100.00	100.00
Glycine	50.00	50.00	50.00	50.00
L-Histidine·HCl·H ₂ O	22.00	22.00	22.00	22.00
Hydroxy L-Proline	10.00	10.00	10.00	10.00
L-Isoleucine	20.00	20.00	20.00	20.00
L-Leucine	60.00	60.00	60.00	60.00
L-Lysine·HCl	70.00	70.00	70.00	70.00
L-Methionine	15.00	15.00	15.00	15.00
L-Phenylalanine	25.00	25.00	25.00	25.00
L-Proline	40.00	40.00	40.00	40.00
L-Serine	25.00	25.00	25.00	25.00
L-Threonine	30.00	30.00	30.00	30.00
L-Tryptophan	10.00	10.00	10.00	10.00
L-Tyrosine	40.00	40.00	40.00	40.00
L-Valine	25.00	25.00	25.00	25.00

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Vitamins				
p-Aminobenzoic Acid	0.05	0.05	0.05	0.05
Ascorbic Acid	0.05	0.05	0.05	0.05
d-Biotin	0.01	0.01	0.01	0.01
Calciferol	0.10	0.10	0.10	0.10
D-Ca Pantothenate	0.01	0.01	0.01	0.01
Cholesterol	0.20	0.20	0.20	0.20
Choline Chloride	0.50	0.50	0.50	0.50
Folic Acid	0.01	0.01	0.01	0.01
i-Inositol	0.05	0.05	0.05	0.05
Menadione	0.01	0.01	0.01	0.01
Nicotinamide	0.025	0.025	0.025	0.025
Nicotinic Acid	0.025	0.025	0.025	0.025
Pyridoxal·HCl	0.025	0.025	0.025	0.025
Pyridoxine·HCl	0.025	0.025	0.025	0.025
DL-Tocopheryl Phosphate Na ₂	0.01	0.01	0.01	0.01
Riboflavin	0.01	0.01	0.01	0.01
Thiamine·HCl	0.01	0.01	0.01	0.01
Vitamin A Acetate	0.14	0.14	0.14	0.14



Morgan, J.F., H.J. Morton, and R.C. Parker (1950) Proc. Soc. Exptl. Biol. Med. 73:1 – 8.