

Medium 199 Formulation

CATALOG#: M199

DESCRIPTION: Medium 199, 500ml

STORAGE: + 2-8°C

STERILITY: Pass *Signature on file*

Component	mg/L
CaCl ₂ (anhydrous)	200
KCl	400
Fe(NO ₃) ₃ •9H ₂ O	0.72
MgSO ₄ (anhydrous)	97.70
NaCl	6,800
NaHCO ₃	2,200
L-Arginine•HCl	70
L-Cystine•2HCl	26
L-Glutamine	100
Glycine	50
L-Histidine•HCl•H ₂ O	21.88
L-Isoleucine	20
L-Leucine	60
L-Lysine•HCl	70
L-Methionine	15
L-Phenylalanine	25
L-Serine	25
L-Threonine	30
L-Tryptophan	10
L-Tyrosine•2Na•2H ₂ O	57.87
L-Valine	25
L-Alanine	25
L-Aspartic acid	30
L-Cysteine•HCl•H ₂ O	0.11
L-Glutamic acid	75
Hydroxy-L-proline	10
L-Proline	40
D-Calcium pantothenate	0.01
DL-alpha-Tocopherol•PO ₄ •Na	0.01
Ascorbic acid	0.05

Component	mg/L
Biotin	0.01
Calciferol	0.10
Folic acid	0.01
i-Inositol	0.05
Nicotinamide	0.025
Choline chloride	0.50
Menadione•NaHSO ₃ •3H ₂ O	0.02
Nicotinic acid	0.025
Pyridoxine•HCl	0.05
Riboflavin	0.01
Thiamine•HCl	0.01
Para-Aminobenzoic acid	0.05
Vitamin A acetate	0.14
5-Adenylic acid•H ₂ O	0.20
ATP, 2Na•3H ₂ O	1.0
Cholesterol	0.20
2-Deoxy-D-ribose	0.50
D-Glucose	1,000
Glutathione (reduced)	0.05
Guanine•HCl	0.30
Hypoxanthine, Na	0.35
Phenol red, Na	10
D-Ribose	0.50
Sodium acetate	50
Thymine	0.3
Adenine sulfate	10
Uracil	0.30
Xanthine, Na	0.34
Tween 80	20

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