

Medium 199

Product Number MDP04-10X1LT

With Earle's salts. Without L-glutamine and sodium bicarbonate.

Components	mg/L
(+/-) a-Tocopherol Phosphate, Disodium Salt (C ₂₉ H ₄₉ Na ₂ O ₅ P)	0.0100
2-Deoxy-D-Ribose (C ₅ H ₁₀ O ₄)	0.5000
Adenine Sulfate, Dihydrate (C ₁₀ H ₁₂ N ₁₀ O ₄ S)	10.0000
Adenosine 5'-Monophosphate, Monohydrate (C ₁₀ H ₁₄ N ₅ O ₇ P · H ₂ O)	0.2000
Adenosine-5'-Triphosphate, Anhydrous (C ₁₀ H ₁₄ N ₅ Na ₂ O ₁₃ P ₃)	1.0000
Biotin (C ₁₀ H ₁₆ N ₂ O ₃ S)	0.0100
Calciferol (C ₂₈ H ₄₄ O)	0.1000
Calcium Chloride, Anhydrous (CaCl ₂)	200.0000
Cholesterol	0.2000
Choline Chloride (C ₅ H ₁₄ ONCl)	0.5000
D-Calcium Pantothenate (C ₁₈ H ₃₂ CaN ₂ O ₁₀)	0.0100
D-Glucose, Anhydrous (C ₆ H ₁₂ O ₆)	1000.0000
D-Ribose (C ₅ H ₁₀ O ₅)	0.5000
Ferric Nitrate, Nonahydrate (Fe(NO ₃) ₃ ·9H ₂ O)	0.7200
Folic Acid (C ₁₉ H ₁₉ N ₇ O ₆)	0.0100
Glutathione, Reduced (C ₁₀ H ₁₇ N ₃ O ₆ S)	0.0500
Glycine (C ₂ H ₅ NO ₂)	50.0000
Guanine HCl (C ₅ H ₅ N ₅ O · HCl)	0.3000
Hypoxanthine, Sodium (C ₅ H ₃ N ₄ O·Na)	0.4000
L-Alanine (C ₃ H ₇ NO ₂)	25.0000
L-Arginine, Hydrochloride (C ₆ H ₁₄ N ₄ O ₂ · HCl)	70.0000
L-Ascorbic Acid (C ₆ H ₈ O ₆)	0.0500

L-Aspartic Acid (C ₄ H ₇ NO ₄)	30.0000
L-Cysteine, Hydrochloride, Monohydrate (C ₃ H ₇ NO ₂ · HCl · H ₂ O)	0.1000
L-Cystine, Dihydrochloride (C ₆ H ₁₂ N ₂ O ₄ S ₂ · 2HCl)	26.0000
L-Glutamic Acid (C ₅ H ₉ NO ₄)	75.0000
L-Histidine, Hydrochloride, Monohydrate (C ₆ H ₉ N ₃ O ₂ · HCl · H ₂ O)	22.0000
L-Hydroxyproline (C ₅ H ₉ NO ₃)	10.0000
L-Isoleucine (C ₆ H ₁₃ NO ₂)	40.0000
L-Leucine (C ₆ H ₁₃ NO ₂)	60.0000
L-Lysine, Hydrochloride (C ₆ H ₁₄ N ₂ O ₂ · HCl)	70.0000
L-Methionine (C ₅ H ₁₁ NO ₂ S)	15.0000
L-Phenylalanine (C ₉ H ₁₁ NO ₂)	25.0000
L-Proline (C ₅ H ₉ NO ₂)	40.0000
L-Serine (C ₃ H ₇ NO ₃)	25.0000
L-Threonine (C ₄ H ₉ NO ₃)	30.0000
L-Tryptophan (C ₁₁ H ₁₂ N ₂ O ₂)	10.0000
L-Tyrosine, Disodium, Dihydrate (C ₉ H ₉ NO ₃ Na ₂ ·2H ₂ O)	58.0000
L-Valine (C ₅ H ₁₁ NO ₂)	25.0000
Magnesium Sulfate, Anhydrous (MgSO ₄)	98.0000
Menadione (C ₁₁ H ₈ O ₂)	0.0100
Myo-Inositol (C ₆ H ₁₂ O ₆)	0.0500
Niacinamide (C ₆ H ₆ N ₂ O)	0.0250
Nicotinic Acid (C ₆ H ₅ NO ₂)	0.0250
Para-Aminobenzoic Acid (C ₇ H ₇ NO ₂)	0.0500
Phenol Red, Sodium Salt (C ₁₉ H ₁₃ NaO ₅ S)	20.0000
Potassium Chloride (KCl)	400.0000
Pyridoxine, Hydrochloride (C ₈ H ₁₁ NO ₃ · HCl)	0.0500
Riboflavin (C ₁₇ H ₂₀ N ₄ O ₆)	0.0100
Sodium Acetate, Anhydrous (C ₂ H ₃ O ₂ Na)	50.0000
Sodium Chloride (NaCl)	6800.0000
Sodium Phosphate, Monobasic, Monohydrate (NaH ₂ PO ₄ · H ₂ O)	140.0000
Thiamine, Hydrochloride (C ₁₂ H ₁₇ ClN ₄ OS · HCl)	0.0100
Thymine (C ₅ H ₆ N ₂ O ₂)	0.3000
Tween 80	20.0000

Uracil (C₄H₄N₂O₂) 0.3000

Vitamin A, Acetate (C₂₂H₃₂O₂) 0.1400

Xanthine, Monosodium Salt (C₅H₃N₄NaO₂) 0.3400