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MDP08 FORMULATION

Medium 199

With Earle's Salts and L-Glutamine. Without Sodium Bicarbonate. Store at 2° to 8°C.

Components	mg/L
Adenine Sulfate Dihydrate ((C ₅ H ₅ N ₅) ₂ · H ₂ SO ₄ · 2H ₂ O)	12.13
Adenosine-5-monophosphate, Monohydrate (C ₁₀ H ₁₄ N ₅ O ₇ P · H ₂ O)	0.200
Adenosine-5-triphosphate (C ₁₀ H ₁₄ N ₅ Na ₂ O ₁₃ P ₃)	1.000
a-Tocopherol Phosphate, Sodium Salt (C ₂₉ H ₄₉ O ₅ PNa ₂)	0.010
Calciferol (C ₂₈ H ₄₄ O)	0.100
Calcium Chloride, Anhydrous (CaCl ₂)	200.00
Cholesterol (C ₂₇ H ₄₆ O)	0.200
Choline Chloride (C ₅ H ₁₄ ONCl)	0.500
D-Biotin (C ₁₀ H ₁₆ N ₂ O ₃ S)	0.010
D-Calcium Pantothenate (C ₁₈ H ₃₂ CaN ₂ O ₁₀)	0.010
Deoxy-D-ribose (C ₅ H ₁₀ O ₄)	0.500
D-Glucose, Anhydrous (C ₆ H ₁₂ O ₆)	1000.00
D-Ribose (C ₅ H ₁₀ O ₅)	0.500
Ferric Nitrate, Nonahydrate (Fe(NO ₃) ₃ · 9H ₂ O)	0.720
Folic Acid (C ₁₉ H ₁₉ N ₇ O ₆)	0.010
Glutathione, Reduced (C ₁₀ H ₁₇ N ₃ O ₆ S)	0.050
Glycine (C ₂ H ₅ NO ₂)	50.00
Guanine, Hydrochloride (C ₅ H ₅ N ₅ O · HCl)	0.300
Hypoxanthine Sodium (C ₅ H ₄ N ₄ NaO)	0.354
L-Alanine (C ₃ H ₇ NO ₂)	25.00
L-Arginine, Hydrochloride (C ₆ H ₁₄ N ₄ O ₂ · HCl)	70.00
L-Ascorbic Acid (C ₆ H ₈ O ₆)	0.050
L-Aspartic Acid (C ₄ H ₇ NO ₄)	30.00
L-Cysteine, Hydrochloride, Monohydrate (C ₃ H ₇ NO ₂ · HCl · H ₂ O)	0.110
L-Cystine, Dihydrochloride (C ₆ H ₁₂ N ₂ O ₄ S ₂ · 2HCl)	26.00
L-Glutamic Acid (C ₅ H ₉ NO ₄)	75.00
L-Glutamine (C ₅ H ₁₀ N ₂ O ₃)	100.00
L-Histidine, Hydrochloride, Monohydrate (C ₆ H ₉ N ₃ O ₂ · HCl · H ₂ O)	21.88
L-Hydroxyproline (C ₅ H ₉ NO ₃)	10.00
L-Isoleucine (C ₆ H ₁₃ NO ₂)	20.00



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L-Leucine (C ₆ H ₁₃ NO ₂)	60.00
L-Lysine, Hydrochloride (C ₆ H ₁₄ N ₂ O ₂ · HCl)	70.00
L-Methionine (C ₅ H ₁₁ NO ₂ S)	15.00
L-Phenylalanine (C ₉ H ₁₁ NO ₂)	25.00
L-Proline (C ₅ H ₉ NO ₂)	40.00
L-Serine (C ₃ H ₇ NO ₃)	25.00
L-Threonine (C ₄ H ₉ NO ₃)	30.00
L-Tryptophan (C ₁₁ H ₁₂ N ₂ O ₂)	10.00
L-Tyrosine, Disodium, Dihydrate (C ₉ H ₉ O ₃ Na ₂ · 2H ₂ O)	57.869
L-Valine (C ₅ H ₁₁ NO ₂)	25.00
Magnesium Sulfate, Anhydrous (MgSO ₄)	97.70
Menadione Sodium Bisulfite (C ₁₁ H ₉ NaO ₅ S)	0.01588
Myo-Inositol (C ₆ H ₁₂ O ₆)	0.050
Niacin/Nicotinic Acid (C ₆ H ₅ NO ₂)	0.025
Niacinamide/Nicotinamide (C ₆ H ₆ N ₂ O)	0.025
Phenol Red Sodium Salt (C ₁₉ H ₁₃ NaO ₅ S)	20.00
Potassium Chloride (KCl)	400.00
Pyridoxine, Hydrochloride (C ₈ H ₁₁ NO ₃ · HCl)	0.050
Riboflavin (C ₁₇ H ₂₀ N ₄ O ₆)	0.010
Sodium Acetate (C ₂ H ₃ O ₂ Na)	50.00
Sodium Chloride (NaCl)	6800.00
Sodium Phosphate, Monobasic, Monohydrate (NaH ₂ PO ₄ · H ₂ O)	140.00
Thiamine, Hydrochloride (C ₁₂ H ₁₇ ClN ₄ OS · HCl)	0.010
Thymine (C ₅ H ₆ N ₂ O ₂)	0.300
Tween 80 / Polysorbate 80 (C ₆₄ H ₁₂₄ O ₂₆)	20.00
Uracil (C ₄ H ₄ N ₂ O ₂)	0.300
Vitamin A Acetate (Retinol) (C ₂₂ H ₃₂ O ₂)	0.140
Xanthine Sodium Salt (C ₅ H ₃ N ₄ NaO ₂)	0.340
p-Aminobenzoic Acid (C ₇ H ₇ NO ₂)	0.050