

Formulations & Specifications

EMEM

Product Number MEL12-500ML

With Earle's salts, L-glutamine, and 92 mg/L D-valine substituted for L-valine.

Pyridoxal, Hydrochloride (C ₈ H ₉ NO ₃ · HCl)	1.0000
Riboflavin (C ₁₇ H ₂₀ N ₄ O ₆)	0.1000
Sodium Bicarbonate (NaHCO ₃)	2200.0000
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)	1.0000

Components	mg/L
Calcium Chloride, Anhydrous (CaCl ₂)	200.0000
Choline Chloride	1.0000
D-Calcium Pantothenate (C ₁₈ H ₃₂ CaN ₂ O ₁₀)	1.0000
D-Glucose, Anhydrous (C ₆ H ₁₂ O ₆)	1000.0000
D-Valine ((CH ₃) ₂ CHCH(NH ₂)CO ₂ H)	92.0000
Folic Acid (C ₁₉ H ₁₉ N ₇ O ₆)	1.0000
L-Arginine, Hydrochloride (C ₆ H ₁₄ N ₄ O ₂ · HCl)	126.0000
L-Cystine, Dihydrochloride (C ₆ H ₁₂ N ₂ O ₄ S ₂ · 2HCl)	31.0000
L-Glutamine (C ₅ H ₁₀ N ₂ O ₃)	292.0000
L-Histidine, Hydrochloride, Monohydrate (C ₆ H ₉ N ₃ O ₂ · HCl · H ₂ O)	42.0000
L-Isoleucine (C ₆ H ₁₃ NO ₂)	52.0000
L-Leucine (C ₆ H ₁₃ NO ₂)	52.0000
L-Lysine, Hydrochloride (C ₆ H ₁₄ N ₂ O ₂ · HCl)	73.0000
L-Methionine (C ₅ H ₁₁ NO ₂ S)	15.0000
L-Phenylalanine (C ₉ H ₁₁ NO ₂)	32.0000
L-Threonine (C ₄ H ₉ NO ₃)	48.0000
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)	52.0000
Magnesium Sulfate, Anhydrous (MgSO ₄)	98.0000
Myo-Inositol (C ₆ H ₁₂ O ₆)	2.0000
Niacinamide (C ₆ H ₆ N ₂ O)	1.0000
Phenol Red, Sodium Salt (C ₁₉ H ₁₃ NaO ₅ S)	10.6000
Potassium Chloride (KCl)	400.0000