

Cat# 25-501C



Dulbecco's Modified Eagle's Medium (DMEM)

With high-glucose, sodium pyruvate and L-glutamine.
Without phenol red. Store at 2° to 8°C.

Niacinamide (C ₆ H ₆ N ₂ O)	4.0000
Potassium Chloride (KCl)	400.0000
Pyridoxine, Hydrochloride (C ₈ H ₁₁ NO ₃ · HCl)	4.0000
Pyruvic Acid, Sodium Salt (C ₃ H ₃ NaO ₃)	110.0000
Riboflavin (C ₁₇ H ₂₀ N ₄ O ₆)	0.4000
Sodium Bicarbonate (NaHCO ₃)	3700.0000
Sodium Chloride (NaCl)	6400.0000
Sodium Phosphate, Monobasic, Monohydrate (NaH ₂ PO ₄ · H ₂ O)	125.0000
Thiamine, Hydrochloride (C ₁₂ H ₁₇ ClN ₄ OS · HCl)	4.0000

Components	mg/L
Calcium Chloride, Anhydrous (CaCl ₂)	200.0000
Choline Chloride (C ₅ H ₁₄ ONCl)	4.0000
D-Calcium Pantothenate (C ₁₈ H ₃₂ CaN ₂ O ₁₀)	4.0000
D-Glucose, Anhydrous (C ₆ H ₁₂ O ₆)	4500.0000
Ferric Nitrate, Nonahydrate (Fe(NO ₃) ₃ ·9H ₂ O)	0.1000
Folic Acid (C ₁₉ H ₁₉ N ₇ O ₆)	4.0000
Glycine (C ₂ H ₅ NO ₂)	30.0000
L-Arginine, Hydrochloride (C ₆ H ₁₄ N ₄ O ₂ · HCl)	84.0000
L-Cystine, Dihydrochloride (C ₆ H ₁₂ N ₂ O ₄ S ₂ · 2HCl)	63.0000
L-Glutamine (C ₆ H ₁₀ N ₂ O ₃)	584.0000
L-Histidine, Hydrochloride, Monohydrate (C ₆ H ₉ N ₃ O ₂ · HCl · H ₂ O)	42.0000
L-Isoleucine (C ₉ H ₁₃ NO ₂)	105.0000
L-Leucine (C ₆ H ₁₃ NO ₂)	105.0000
L-Lysine, Hydrochloride (C ₆ H ₁₄ N ₂ O ₂ · HCl)	146.0000
L-Methionine (C ₅ H ₁₁ NO ₂ S)	30.0000
L-Phenylalanine (C ₉ H ₁₁ NO ₂)	66.0000
L-Serine (C ₃ H ₇ NO ₃)	42.0000
L-Threonine (C ₄ H ₉ NO ₃)	95.0000
L-Tryptophan (C ₁₁ H ₁₂ N ₂ O ₂)	16.0000
L-Tyrosine, Disodium, Dihydrate (C ₉ H ₉ NO ₃ Na ₂ ·2H ₂ O)	104.0000
L-Valine (C ₅ H ₁₁ NO ₂)	94.0000
Magnesium Sulfate, Anhydrous (MgSO ₄)	97.6700
Myo-Inositol (C ₆ H ₁₂ O ₆)	7.2000