

Iscove's Modified Dulbecco's Medium (IMDM)

Product Number IMP05-50LT

With HEPES buffer. Without L-glutamine, phenol red, and sodium bicarbonate. Store at 2° to 8°C.

Components	mg/L
Biotin (C ₁₀ H ₁₆ N ₂ O ₃ S)	0.0130
Calcium Chloride, Anhydrous (CaCl ₂)	165.0000
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
Folic Acid (C ₁₉ H ₁₉ N ₇ O ₆)	4.0000
Glycine (C ₂ H ₅ NO ₂)	30.0000
HEPES (C ₈ H ₁₈ N ₂ O ₄ S)	5958.0000
L-Alanine (C ₃ H ₇ NO ₂)	25.0000
L-Arginine, Hydrochloride (C ₆ H ₁₄ N ₄ O ₂ . HCl)	84.0000
L-Asparagine, Anhydrous (C ₄ H ₈ N ₂ O ₃)	25.0000
L-Aspartic Acid (C ₄ H ₇ NO ₄)	30.0000
L-Cystine, Dihydrochloride (C ₆ H ₁₂ N ₂ O ₄ S ₂ . 2HCl)	91.2000
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)	42.0000
L-Isoleucine (C ₆ 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-Proline (C ₅ H ₉ NO ₂)	40.0000
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)	98.0000
Myo-Inositol (C ₆ H ₁₂ O ₆)	7.2000
Niacinamide (C ₆ H ₆ N ₂ O)	4.0000
Potassium Chloride (KCl)	330.0000
Potassium Nitrate (KNO ₃)	0.0760
Pyridoxal, Hydrochloride (C ₈ H ₉ 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
Selenious Acid (H ₂ SeO ₃)	0.0170
Sodium Chloride (NaCl)	4500.0000
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
Vitamin B12 (C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P)	0.0130