



Media Formulation

IMDM

Cat. No.: CC123-0500

Components	Concentration (mg/L)
Amino Acids	
Glycine	30.0
L-Alanine	25.0
L-Arginine hydrochloride	84.0
L-Asparagine (freebase)	25.0
L-Aspartic acid	30.0
L-Cystine 2HCl	91.4
L-Glutamic Acid	75.0
L-Glutamine	584.0
L-Histidine hydrochloride-H ₂ O	42.0
L-Isoleucine	105.0
L-Leucine	105.0
L-Lysine hydrochloride	146.0
L-Methionine	30.0
L-Phenylalanine	66.0
L-Proline	40.0
L-Serine	42.0
L-Threonine	95.0
L-Tryptophan	16.0
L-Tyrosine disodium salt	104.0
L-Valine	94.0
Vitamins	
Biotin	0.013
Choline chloride	4.0
D-Calcium pantothenate	4.0
Folic Acid	4.0

Components	Concentration (mg/L)
Niacinamide	4.0
Pyridoxal hydrochloride	4.0
Riboflavin	0.4
Thiamine hydrochloride	4.0
Vitamin B12	0.013
i-Inositol	7.2
Inorganic Salts	
Calcium Chloride (CaCl ₂) (anhyd.)	165.0
Magnesium Sulfate (MgSO ₄) (anhyd.)	97.67
Potassium Chloride (KCl)	330.0
Potassium Nitrate (KNO ₃)	0.076
Sodium Bicarbonate (NaHCO ₃)	3024.0
Sodium Chloride (NaCl)	4505.0
Sodium Phosphate monobasic (NaH ₂ PO ₄ ·H ₂ O)	125.0
Sodium Selenite (Na ₂ SeO ₃ ·5H ₂ O)	0.017
Other Components	
D-Glucose (Dextrose)	4500.0
HEPES	5958.0
Phenol Red	15.0
Sodium Pyruvate	110.0