



DMEM F12 w/o Choline Chloride, Phenolred

Cat No. BR-E51-3c

INGRIDIENT	mg / L
AMINO ACID	
L-Alanine	4.45
L-Arginine • HCl	147.5
L-Asparagine • H ₂ O	7.5
L-Aspartic Acid	6.65
L-Cysteine • HCl • H ₂ O	17.56
L-Cystine • 2HCl	31.29
Glycine	18.75
L-Glutamic Acid	7.35
L-Glutamine	365
L-Histidine • HCl • H ₂ O	31.48
L-Isoleucine	54.47
L-Leucine	59.05
L-Lysine • HCl	91.25
L-Methionine	17.24
L-Phenylalanine	35.48
L-Proline	17.25
L-Serine	26.25
L-Threonine	53.45
L-Tryptophan	9.02
L-Tyrosine • 2Na • 2H ₂ O	55.79
L-Valine	52.85
VITAMINS	
D-Biotin	0.0035
Choline Chloride	0
D-Pantothenate Acid Calcium Salt	2.24
Folic Acid	2.65
Niacinamide	2.02
Pyridoxine • HCl	2
Riboflavin	0.219
Thiamine • HCl	2.17
Vitamin B12	0.68
i-Inositol	12.6
INORGANIC SALTS	
Calcium Chloride (CaCl ₂)	116.6
Cupric sulfate • 5H ₂ O (CuSO ₄ • 5H ₂ O)	0.0013
Ferric Nitrate • 9H ₂ O (Fe(NO ₃) ₃ • 9H ₂ O)	0.05
Ferric sulfate • 7H ₂ O (FeSO ₄ • 7H ₂ O)	0.417
Magnesium Chloride (MgCl ₂)	28.64
Magnesium Sulfate (MgSO ₄)	48.84
Potassium Chloride (KCl)	311.8
Sodium Chloride (NaCl)	6996

Sodium Phosphate Dibasic (Na ₂ HPO ₄)	71.02
Sodium Dihydrogen Phosphate	62.5
Zinc Sulfate • 7H ₂ O	0.432
Sodium Bicarbonate (NaHCO ₃)	2438
OTHER COMPONENTS	
D-Glucose	3151
HEPES	0
Hypoxanthine • Na	2.4
Linoleic Acid	0.042
Lipoic Acid	0.105
Phenol Red • Na	0
Putrescine • 2HCl	0.081
Sodium Pyruvate	55
Thymidine	0.365