

Formulations

DULBECCO'S MODIFIED EAGLE'S MEDIUM (DMEM)/Ham's F12 1:1 WITH L-Glutamine

Cat.# 112-286
COMPONENTS

mg/L

Inorganic Salts

Calcium Chloride CaCl ₂ Anhydrous	100.00
Calcium Chloride CaCl ₂ Dihydraous	22.05
Cupric Sulfate Pentahydrate	0.001
Ferric Nitrate, Nonahydrate (Fe(NO ₃) ₃ •9H ₂ O)	0.05
Ferrous Sulfate•7H ₂ O	0.417
Potassium Chloride KCl	311.83
Magnesium Chloride (anhydrous)	61.50
Magnesium Sulfate, Anhydrous (MgSO ₄)	48.83
Sodium Chloride NaCl	6999.50
Sodium Bicarbonate NaHCO ₃	1200.00
Sodium Phosphate monobasic NaH ₂ PO ₄ H ₂ O	62.50
Sodium Phosphate Dibasic	71.06
Zinc Sulfate	0.432

Other Components

D-Glucose	3150.80
Hypoxanthine Disodium	2.39
Linoleic acid	0.042
Lipoic acid	0.103
Phenol Red, Sodium Salt (C ₁₉ H ₁₃ NaO ₅ S)	8.115
Putrescine•2HCl	0.081
Sodium pyruvate	55.05
Thymidine	0.363

Amino Acids

Glycine	18.76
L-Alanine	4.45
L-Arginine•HCl	147.33
L-Asparagine-H ₂ O	7.51
L-Aspartic acid	6.655
L-Cysteine-2H ₂ O	17.56
L-Cystine•2HCl	31.50
L-Glutamine	365.10
L-Glutamic acid	7.355
L-Histidine•HCl•H ₂ O	30.82
L-Isoleucine	54.47

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COMPONENTS	mg/L
L-Leucine	59.06
L-Lysine•HCl	91.25
L-Methionine	17.25
L-Phenylalanine	35.50
L-Proline	17.27
L-Serine	26.25
L-Threonine	53.50
L-Tryptophan	9.00
L-Tyrosine•2Na•2H ₂ O	54.72
L-Valine	52.86
Vitamins	
d-Biotin	0.0035
D-Ca pantothenate	2.25
Choline chloride	9.00
Folic acid	2.65
i-Inositol	12.51
Nicotinamide (Niacinamide)	2.02
Pyridoxal•HCl	2.00
Pyridoxine-HCl	0.03
Riboflavin	0.22
Thiamine•HCl	2.15