

Product Information

DMEM/Ham's F-12, with L-Glutamine
Cat. No. DMEM-12-A (500 ml)

Product Specifications

Appearance	Clear red orange solution
CO ₂ concentration, optimum	4.5 %
Storage and shelf life	Store at +2°C to +8°C protected from light. Once opened, store at 4° C and use within 6-8 weeks.
Shipping conditions	Ambient

Formulation

Components	Concentration mg/L
Amino Acids:	
Glycine	18.75
L-Alanine	4.45
L-Arginine HCl	147.50
L-Asparagine H ₂ O	7.50
L-Aspartic Acid	6.65
L-Cysteine HCl H ₂ O	17.56
L-Cystine 2 HCl	31.29
L-Glutamic Acid	7.35
L-Glutamine	365.00
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 2 Na 2 H ₂ O	55.79
L-Valine	52.85
Vitamins:	
D-Biotin	0.0035
Choline Chloride	8.98
D-Calcium Pantothenate	2.24
Folic Acid	2.66
myo-Inositol	12.60

Components	Concentration mg/L
Nicotinamide	2.02
Pyridoxal HCl	2.00
Pyridoxine HCl	0.031
Riboflavin	0.219
Thiamine HCl	2.17
Vitamin B ₁₂	0.68
Inorganic Salts:	
CaCl ₂ 2 H ₂ O	154.50
CuSO ₄ 5 H ₂ O	0.0013
Fe(NO ₃) ₃ 9 H ₂ O	0.05
FeSO ₄ 7 H ₂ O	0.417
KCl	311.80
MgCl ₂ 6 H ₂ O	61.20
MgSO ₄	48.84
NaCl	6996.00
NaHCO ₃	1200.00
Na ₂ HPO ₄	71.02
NaH ₂ PO ₄	54.30
ZnSO ₄ 7 H ₂ O	0.432
Other Components:	
D-Glucose	3151.00
Hypoxanthine	2.40
Linoleic Acid	0.042
Lipoic Acid	0.105
Phenol Red Sodium Salt	8.63
Putrescine 2 HCl	0.081
Sodium Pyruvate	55.00
Thymidine	0.365

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Precautions and Disclaimer

This product is for research use only.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (techservice@capricorn-scientific.com) or phone (+49 6424 944640).