

DMEM/Ham's F-12, with L-Glutamine, with 15 mM HEPES

General information

The DMEM/F-12 medium is a commonly used basal medium that provides support for the growth of numerous types of cells. The rich blend of this formulation is a result of its composition, which includes DMEM and Ham's F-12.

Product specifications

Appearance	Clear red orange solution
CO2 concentration, optimum	5.5%
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

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 Disodium Salt	48.10
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
Nicotinamide	2.02
Pyridoxine HCl	0.031
Pyridoxal HCl	2.00
Riboflavin	0.219
Thiamine HCl	2.17
Vitamin B12	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
HEPES	3574.50
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

Precautions and disclaimer

This product is for research use only.

Ordering information

Catalogue number	Pack size
LTLM-B35	500 ml

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