

Ham's F-12, with L-Glutamine

General information

Ham's F-12 Medium Nutrient Mix was specifically designed for the purpose of growing Chinese Hamster Ovary (CHO) cells and is widely used as a preferred medium for cell growth in the absence of serum.

Product specifications

Appearance	Clear red orange solution
CO2 concentration, optimum	2.5%
Storage and shelf life	Store at +2 °C – +8 °C protected from light. Once opened, store at 4 °C and use within 6-8 weeks.
Shipping conditions	Ambient

Formulation

Amino Acids

L-Alanine	9.00
L-Arginine HCl	211.00
L-Asparagine H ₂ O	15.01
L-Aspartic Acid	13.30
L-CysteineHClH ₂ O	35.00
L-Glutamine	146.00
Glycine	7.51
L-Glutamic Acid	14.70
L-HistidineHClH ₂ O	20.96
L-Isoleucine	3.94
L-Leucine	13.10
L-Lysine HCl	36.50
L-Methionine	4.48
L-Phenylalanine	4.96
L-Proline	34.50
L-Serine	10.50
L-Threonine	11.90
L-Tryptophan	2.04
L-Tyrosine2Na2H ₂ O	7.78
L-Valine	11.70
D-Glucose	1802.00
Hypoxanthine	4.08
Linoleic Acid	0.084

LipoicAcid	0.21
Phenol Red Sodium Salt	1.3
Putrescine 2 HCl	0.151
Sodium Pyruvate	110.00
Thymidine	0.70

Vitamins

D-Biotin	0.0073
Choline chloride	13.96
D-Calcium Pantothenate	0.48
Folic Acid	1.32
myo-Inositol	18.00
Nicotinamide	0.037
Pyridoxine HCl	0.062
Riboflavin	0.038
Thiamine HCl	0.34
VitaminB12	1.36

Inorganic Salts

Calcium Chloride 2 H ₂ O	44.10
CupricSulfate5H ₂ O	0.0025
Iron(II)Sulfate7H ₂ O	0.834
Magnesium Chloride 6 H ₂ O	123.00
Potassium Chloride	224.00
Sodium Bicarbonate	1176.00
Sodium Chloride	7599.00
Sodium Phosphate Dibasic Anhydrous	142.04
ZincSulfate7H ₂ O	0.863

Precautions and disclaimer

This product is for research use only.

Ordering information

Catalogue number	Pack size
LTLM-B13	500 ml

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