

Product Data Sheet

Ham's F-12, with L-Glutamine, Sterile-Filtered Product No. GB-HAM-500A

Product Specifications

CO ₂ concentration, optimum	2.5%
pH	7.0 - 7.5
Osmolality	260 - 320 mOsm/kg
Colour and Appearance	Clear red orange solution
Endotoxin	<1 EU/ml (<0.1 ng/ml)
Cell Culture	Tested
Sterility	Tested
Storage	+2°to +8°C protected from light

Formulation

Components	Concentration mg/l	Molecular Weight g/mol	Concentration mM
Amino Acids			
L-Alanine	9.00	89.09	0.10
L-Arginine HCl	211.00	210.66	1.00
L-Asparagine H ₂ O	15.01	150.13	0.10
L-Aspartic Acid	13.30	133.10	0.10
L-Cysteine HCl H ₂ O	35.00	175.63	0.20
L-Glutamine	146.00	146.15	1.00
Glycine	7.51	75.07	0.10
L-Glutamic Acid	14.70	147.13	0.10
L-Histidine HCl H ₂ O	20.96	209.63	0.10
L-Isoleucine	3.94	131.17	0.03
L-Leucine	13.10	131.17	0.10
L-Lysine HCl	36.50	182.65	0.20
L-Methionine	4.48	149.21	0.03
L-Phenylalanine	4.96	165.19	0.03
L-Proline	34.50	115.13	0.30
L-Serine	10.50	105.09	0.10
L-Threonine	11.90	119.12	0.10



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L-Tryptophan	2.04	204.23	0.01
L-Tyrosine 2 Na 2 H2O	7.78	261.19	0.03
L-Valine	11.70	117.15	0.10

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Precautions and Disclaimer

This product is for research use only.