



Document ID:	TDS-MCP-029-500ML	Version:	005
Date of Issue:	10-JAN-2021	Approved by:	Dr. Iman Kamranfar
Review Date:	10-JAN-2023	Signature:	
Title:	TECHNICAL DATA SHEET		

SPECIMEN

Product Name	Ham's F12
Filtration/Treatment	With L-Glutamine
Product Codes	MCP-029-50L
Shelf Life	4 years
Storage Temperature	2 to 8 °C
Shipping Temperature	ambient
Substance	Concentration (mg/L)
Amino Acids	
Glycine	7.50
L-Alanine	8.90
L-Arginine, Hydrochloride	211.00
L-Asparagine, Monohydrate	15.00
L-Aspartic Acid	13.00
L-Cysteine, Hydrochloride, Monohydrate	35.00
L-Glutamic Acid	14.70
L-Glutamine	146.00
L-Histidine, Hydrochloride, Monohydrate	21.00
L-Isoleucine	4.00
L-Leucine	13.00
L-Lysine, Hydrochloride	36.50
L-Methionine	4.50
L-Phenylalanine	5.00
L-Proline	34.50
L-Serine	10.50
L-Threonine	12.00
L-Tryptophan	2.00
L-Tyrosine, Disodium, Dihydrate	7.80
L-Valine	11.70
Vitamins	
Biotin	0.01
Choline Chloride	14.00
D-Calcium Pantothenate	0.50
Folic Acid	1.30
Myo-Inositol	18.00
Niacinamide	0.04
Pyridoxine, Hydrochloride	0.06
Riboflavin	0.04
Thiamine, Hydrochloride	0.30
Other Components	
D-Glucose, Anhydrous	1802.00
Hypoxanthine, Sodium	4.70
Linoleic Acid	0.08
Lipoic Acid (DL-Thiolic Acid)	0.21
Phenol Red, Sodium Salt	1.20
Putrescine, Dihydrochloride	0.16
Pyruvic Acid, Sodium Salt	110.00



Document ID:	TDS-MCP-029-500ML	Version:	005
Date of Issue:	10-JAN-2021	Approved by:	Dr. Iman Kamranfar
Review Date:	10-JAN-2023	Signature:	
Title:	TECHNICAL DATA SHEET		

Thymidine	0.70
Inorganic Salts	Concentration (mg/L)
Calcium Chloride, Anhydrous	33.20
Cupric Sulfate, Pentahydrate	0.003
Ferrous Sulfate, Heptahydrate	0.83
Magnesium Chloride, Anhydrous	57.22
Potassium Chloride	223.60
Sodium Chloride	7599.00
Sodium Phosphate Dibasic, Anhydrous	142.00
Zinc Sulfate, Heptahydrate	0.86
Specifications	
Appearance	Off-white to pink/orange powder
Solubility	10.61 g/L in ≤ 30 minutes
Moisture Content	≤ 2.0 %
Particle Size (100 mesh)	≥ 90%
pH without NaHCO ₃	Record
pH with NaHCO ₃	Record
Osmolality without NaHCO ₃	Record
Osmolality with NaHCO ₃	Record
Endotoxin	≤ 1.0 EU/ml
Mycoplasma	Not detected
Cell Culture – Cell Growth Promotion	3 Passages
Viability	≥ 75%

Note: Sodium Bicarbonate is not included in the powdered media (1176.00 mg/L).

THIS PRODUCT IS FOR LABORATORY USE ONLY.



India Contact:
Life Technologies (India) Pvt. Ltd.
306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com