



Document ID:	TDS-MCL-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		

Product Name	Ham's F12 Medium
Filtration/Treatment	With L-Glutamine
Product Codes	MCL-029-500ML
Shelf Life	12 months
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

SPECIMEN



Document ID:	TDS-MCL-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 Bicarbonate	1176.00
Sodium Chloride	7599.00
Sodium Phosphate Dibasic, Anhydrous	142.00
Zinc Sulfate, Heptahydrate	0.86
Specifications	
Appearance	Clear to light orange to pink solution
Aerobic bacteria	Not detected
Anaerobic bacteria	Not detected
Fungi (Yeast & Mold)	Not detected
pH at RT	6.9 - 7.5
Osmolality	260 - 340 mM/kg
Endotoxin	≤ 1.0 EU/ml
Mycoplasma	Not detected
Cell Culture - Cell Growth Promotion	3 Passages
Viability	≥ 75%

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