





Document ID:	TDS-MCL-050-500ML	Version:	005
Date of Issue:	10-JAN-2022	Approved by:	Dr. Iman Kamranfar
Review Date:	10-JAN-2024	Signature:	
Title:	TECHNICAL DATA SHEET		

Product Name	Leibovitz's L-15 Medium
Filtration/Treatment	Without L-Glutamine
Product Codes	MCL-050-500ML
Shelf Life	24 months
Storage Temperature	2 to 8 °C
Shipping Temperature	ambient
Substance	Concentration (mg/L)
Amino Acids	
Glycine	200.00
L-Alanine	225.00
L-Arginine, Hydrochloride	500.00
L-Asparagine, Anhydrous	250.00
L-Cysteine	120.00
L-Histidine, Hydrochloride, Monohydrate	337.79
L-Isoleucine	250.00
L-Leucine	125.00
L-Lysine, Hydrochloride	93.80
L-Methionine	75.00
L-Phenylalanine	125.00
L-Serine	200.00
L-Threonine	300.00
L-Tryptophan	20.00
L-Tyrosine, Disodium, Dihydrate	432.46
L-Valine	100.00
Vitamins	
Choline Chloride	1.00
D-Calcium Pantothenate	1.00
Myo-Inositol	2.00
Niacinamide	1.00
Pyridoxal, Hydrochloride	1.00
Riboflavin	0.11
Thiamine, Hydrochloride	1.00
Folic Acid	1.00
Other Components	
D-Galactose	900.00
Phenol Red, Sodium Salt	10.62
Pyruvic Acid, Sodium Salt	550.00

SPECIMEN



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Inorganic Salts	Concentration (mg/L)
Calcium Chloride, Anhydrous	140.00
Magnesium Chloride, Anhydrous	93.70
Magnesium Sulfate, Anhydrous	97.67
Potassium Chloride	400.00
Potassium Phosphate, Monobasic, Anhydrous	60.00
Sodium Chloride	8000.00
Sodium Phosphate, Dibasic, Anhydrous	190.00
Specifications	
Appearance	Clear, red solution
Aerobic bacteria	Not detected
Anaerobic bacteria	Not detected
Fungi (Yeast & Mold)	Not detected
pH at RT	6.9 – 7.5
Osmolality	280 - 320 mM/kg
Endotoxin	≤ 1.0 EU/ml
Mycoplasma	Not detected
Cell Culture - Cell Growth Promotion	2 Passages
Viability	≥ 75%

THIS PRODUCT IS FOR LABORATORY USE ONLY.



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