Leibovitz's L-15 Medium

Filtration/ Treatment	Without L-Glutamine
Product Code	MCL-050-500ML
Shelf Life	24 months from DOM
Storage Temperature	+2 to +8°C
Shipping Temperature	ambient

QC Specifications

Physical and Chemical Analysis	**Method**	**Specifications**	**Units**
Appearance	Visual	Clear, red solution	n/a
pH at RT	Electronic pH Meter	7.2 – 7.7	n/a
Osmolality	Osmometer	280 - 320	mOsm/kg
Endotoxin	LAL Kinetic	≤ 1.0	EU/ml
Sterility			
Aerobic Bacteria	Internally Validated	Not detected	n/a
Anaerobic Bacteria	Internally Validated	Not detected	n/a
Fungi (Yeast & Mold)	Internally Validated	Not detected	n/a
Mycoplasma	qPCR	Not detected	n/a
Cell culture			
Cell growth promotion	Passage test	2 passages	n/a
Viability	Trypan Blue Exclusion	≥75%	n/a

Formulation

Amino Acids	**CAS number**	**Concentration (mg/L)**
Glycine	56-40-6	200.00
L-Alanine	56-41-7	225.00
L-Arginine, Hydrochloride	1119-34-2	500.00
L-Asparagine, Anhydrous	70-47-3	250.00
L-Cystine, Hydrochloride, Monohydrate	52-90-4	173.98
L-Histidine, Hydrochloride, Monohydrate	5934-29-2	337.79
L-Isoleucine	73-32-5	250.00
L-Leucine	61-90-5	125.00
L-Lysine, Hydrochloride	657-27-2	93.80
L-Methionine	63-68-3	75.00
L-Phenylalanine	63-91-2	125.00
L-Serine	56-45-1	200.00
L-Threonine	72-19-5	300.00
L-Tryptophan	73-22-3	20.00
L-Tyrosine, Disodium, Dihydrate	122666-87-9	432.46
L-Valine	72-18-4	100.00
Vitamins		
Choline Chloride	67-48-1	1.00
D-Calcium Pantothenate	137-08-6	1.00
Myo-Inositol	87-89-8	2.00
Niacinamide	98-92-0	1.00
Pyridoxal, Hydrochloride	65-22-5	1.00
Riboflavin	83-88-5	0.11
Thiamine, Hydrochloride	67-03-8	1.00
Other Components		
D-Galactose	59-23-4	900.00
Phenol Red, Sodium Salt	34487-61-1	10.62
Pyruvic Acid, Sodium Salt	113-24-6	550.00

Inorganic Salts		
Calcium Chloride, Anhydrous	10043-52-4	140.00
Magnesium Chloride, Anhydrous	7786-30-3	93.70
Magnesium Sulfate, Anhydrous	7487-88-9	97.67
Potassium Chloride	7447-40-7	400.00
Potassium Phosphate, Monobasic, Anhydrous	7778-77-0	60.00
Sodium Chloride	7647-14-5	8000.00
Sodium Phosphate, Dibasic, Anhydrous	7558-79-4	190.00

Product Use: This product is intended for laboratory use only.