

Product Data Sheet

Leibovitz's L-15 Medium, w/o L-Glutamine, Sterile-Filtered Product No. GB-LM-500A

Product Specifications

CO ₂ concentration, optimum	0.0 %
pH	7.0 - 7.5
Osmolality	280 - 350 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
Amino Acids			
L-Alanine	225.00	89.09	2.52
L-Arginine	500.00	174.20	2.87
L-Asparagine	250.00	132.12	1.89
L-Cysteine	120.00	121.16	0.99
Glycine	200.00	75.07	2.66
L-Histidine	250.00	209.63	1.19
L-Isoleucine	125.00	131.17	0.95
L-Leucine	125.00	131.17	0.95
L-Lysine HCl	93.70	182.65	0.51
L-Methionine	75.00	149.21	0.50
L-Phenylalanine	125.00	165.19	0.76
L-Serine	200.00	105.09	1.90
L-Threonine	300.00	119.12	2.52
L-Tryptophan	20.00	204.23	0.10
L-Tyrosine	300.00	181.19	1.66
L-Valine	100.00	117.15	0.85



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Vitamins			
Choline chloride	1.00	139.62	0.0072
Riboflavin	0.10	478.33	0.0002
Components	Concentration mg/l	Molecular Weight g/mol	Concentration mM
D-Calcium Pantothenate	1.00	476.53	0.0021
Folic Acid	1.00	441.40	0.0023
myo-Inositol	2.00	180.16	0.0111
Nicotinamide	1.00	122.12	0.0082
Pyridoxine HCl	1.00	203.62	0.0049
Thiamine Monophosphate HCl	1.00	416.82	0.0024
Inorganic Salts			
Calcium Chloride 2 H ₂ O	185.00	147.01	1.26
Magnesium Chloride 6 H ₂ O	200.00	203.30	0.98
Magnesium Sulfate	97.67	120.37	0.81
Potassium Chloride	400.00	74.55	5.37
Potassium Phosphate Monobasic Anhydrous	60.00	136.09	0.44
Sodium Chloride	8000.00	58.44	136.89
Sodium Phosphate Monobasic Anhydrous	190.00	119.98	1.58
Other Components			
D-Galactose	900.00	180.16	5.00
Phenol Red Sodium Salt	11.00	376.36	0.03
Sodium Pyruvate	55.00	110.04	0.50

Precautions and Disclaimer

This product is for research use only.