

## Product Information

Leibovitz's L-15 Medium, w/o L-Glutamine

Cat. No.: E0500-240      Volume: 500 ml

### Product Specifications

CO <sub>2</sub> 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 mM
<b>Amino Acids</b>			
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
<b>Vitamins</b>			
Choline chloride	1.00	139.62	0.0072
Riboflavin	0.10	478.33	0.0002
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D-Calcium Pantothenate	1.00	476.53	0.0021
Folic Acid	1.00	441.40	0.0023
<i>myo</i> -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
<b>Inorganic Salts</b>			
Calcium Chloride 2 H <sub>2</sub> O	185.00	147.01	1.26
Magnesium Chloride 6 H <sub>2</sub> 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
<b>Other Components</b>			
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. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.