

Leibovitz's L-15 Liquid Medium Formula

Components	Concentration (mg/L)
Amino Acids	
Glycine	200
L-Alanine	225
Arginine Hydrochloride	605.3448276
L-Asparagine monohydrate	284.3371212
L-Cysteine hydrochloride monohydrate	174.1785124
L-Glutamine	300
L-Histidine	250
L-Isoleucine	250
L-Leucine	125
L-Lysine hydrochloride	93.82705479
L-Methionine	75
L-Phenylalanine	125
L-Serine	200
L-Threonine	300
L-Tryptophan	20
L-Tyrosine	300
L-Valine	100
Vitamins	
Choline chloride	1
D-Calcium pantothenate	1
Folic Acid	1
Niacinamide	1
Pyridoxine hydrochloride	1
Riboflavin 5'-phosphate Na	0.1
THIAMINE MONOPHOSPHATE CHLORIDE*DIHYDRATE	1
i-Inositol	2
Inorganic Salts	
Calcium Chloride (CaCl ₂) (anhyd.)	140
Magnesium Chloride (anhydrous)	93.7
Magnesium Sulfate (MgSO ₄) (anhyd.)	97.67
Potassium Chloride (KCl)	400
Potassium Phosphate monobasic (KH ₂ PO ₄)	60
Sodium Chloride (NaCl)	8000
Sodium Phosphate dibasic	190



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(Na ₂ HPO ₄) anhydrous	
Other Components	
D+ Galactose	900
Phenol Red	10
Sodium Pyruvate	550