

McCoy's 5A Liquid Medium Formula

Components	Concentration (mg/L)
Amino Acids	
Glycine	7.5
L-Alanine	13.9
L-Arginine hydrochloride	42.1
L-Asparagine monohydrate	51.18068182
L-Aspartic acid	19.97
L-Cysteine hydrochloride monohydrate	45.7218595
L-Glutamic Acid	22.1
L-Glutamine	219.2
L-Histidine hydrochloride-H ₂ O	20.96
L-Hydroxyproline	19.7
L-Isoleucine	39.36
L-Leucine	39.36
L-Lysine hydrochloride	36.5
L-Methionine	14.9
L-Phenylalanine	16.5
L-Proline	17.3
L-Serine	26.3
L-Threonine	17.9
L-Tryptophan	3.1
L-Tyrosine	18.1
L-Valine	17.6
Vitamins	
Ascorbic Acid	0.5
Biotin	0.2
Choline chloride	5
D-Calcium pantothenate	0.2
Folic Acid	10
Niacinamide	0.5
Nicotinic acid (Niacin)	0.5
Para-Aminobenzoic Acid	1
Pyridoxal hydrochloride	0.5
Pyridoxine hydrochloride	0.5
Riboflavin	0.2
Thiamine hydrochloride	0.2
Vitamin B12	2

i-Inositol	36
Inorganic Salts	
Calcium Chloride (CaCl ₂) (anhyd.)	100
Magnesium Sulfate (MgSO ₄ -7H ₂ O)	200
Potassium Chloride (KCl)	400
Sodium Bicarbonate (NaHCO ₃)	2200
Sodium Chloride (NaCl)	6460
Sodium Phosphate monobasic (NaH ₂ PO ₄ -H ₂ O)	580
Other Components	
Bacto-Peptone	600
D-Glucose (Dextrose)	3000
Glutathione (reduced)	0.5
Phenol Red	10