







Comparative Formulation

McCoy's 5A Media

 Powdered Media	MCP01	MCP03	MCP06
Amino Acids	mg/L	mg/L	mg/L
Glycine	7.5100	7.5100	7.5100
L-Alanine	13.3600	13.3600	13.3600
L-Arginine, Hydrochloride	42.1400	42.1400	42.1400
L-Asparagine, Monohydrate	45.0300	45.0300	45.0300
L-Aspartic Acid	19.9700	19.9700	19.9700
L-Cysteine, Hydrochloride, Monohydrate	35.1400	35.1400	35.1400
L-Glutamine	219.2000		219.2000
L-Histidine, Hydrochloride, Monohydrate	20.9600	20.9600	20.9600
L-Hydroxyproline	19.6700	19.6700	19.6700
L-Isoleucine	39.3600	39.3600	39.3600
L-Leucine	39.3600	39.3600	39.3600
L-Lysine, Hydrochloride	36.5400	36.5400	36.5400
L-Methionine	14.9200	14.9200	14.9200
L-Phenylalanine	16.5200	16.5200	16.5200
L-Proline	17.2700	17.2700	17.2700
L-Serine	26.2800	26.2800	26.2800
L-Threonine	17.8700	17.8700	17.8700
L-Tryptophan	3.0600	3.0600	3.0600
L-Tyrosine, Disodium, Dihydrate	26.1200	26.1200	26.1200
L-Valine	17.5700	17.5700	17.5700

 Powdered Media	MCP01	MCP03	MCP06
Inorganic Salts	mg/L	mg/L	mg/L
Calcium Chloride, Dihydrate	132.5000	132.5000	132.5000
Magnesium Sulfate, Anhydrous	97.6800	97.6800	97.6800
Potassium Chloride	400.0000	400.0000	400.0000
Sodium Chloride	6460.0000	6460.0000	6460.0000
Sodium Phosphate, Monobasic, Monohydrate	580.0000	580.0000	580.0000
Other Components	mg/L	mg/L	mg/L
D-Glucose, Anhydrous	3000.0000	3000.0000	3000.0000
Glutathione, Reduced	0.5000	0.5000	0.5000
Meat Peptone	600.0000	600.0000	600.0000
Phenol Red, Sodium Salt	10.0000	10.0000	
Vitamins	mg/L	mg/L	mg/L
Biotin	0.2000	0.2000	0.2000
Choline Chloride	5.0000	5.0000	5.0000
D-Calcium Pantothenate	0.2000	0.2000	0.2000
Folic Acid	10.0000	10.0000	10.0000
L-Ascorbic Acid	0.5000	0.5000	0.5000
Myo-Inositol	36.0000	36.0000	36.0000
Niacinamide	0.5000	0.5000	0.5000
Nicotinic Acid	0.5000	0.5000	0.5000
para-Aminobenzoic Acid	1.0000	1.0000	1.0000
Pyridoxal, Hydrochloride	0.5000	0.5000	0.5000
Pyridoxine, Hydrochloride	0.5000	0.5000	0.5000
Riboflavin	0.2000	0.2000	0.2000
Thiamine, Hydrochloride	0.2000	0.2000	0.2000
Vitamin B12	2.0000	2.0000	2.0000

 Liquid Media	MCL01	MCL02	MCL04	MCL05	MCL06
Amino Acids	mg/L	mg/L	mg/L	mg/L	mg/L
Glycine	7.5100	7.5100	7.5100	7.5100	7.5100
L-Alanine	13.3600	13.3600	13.3600	13.3600	13.3600
L-Arginine, Hydrochloride		42.1400	42.1400		42.1400
L-Asparagine, Monohydrate	45.0300	45.0300	45.0300	45.0300	45.0300
L-Aspartic Acid	19.9700	19.9700	19.9700	19.9700	19.9700
L-Cysteine, Hydrochloride, Monohydrate	35.1400	35.1400	35.1400	35.1400	35.1400
L-Glutamine		219.2000		219.2000	219.2000
L-Histidine, Hydrochloride, Monohydrate	20.9600	20.9600	20.9600	20.9600	20.9600
L-Hydroxyproline	19.6700	19.6700	19.6700	19.6700	19.6700
L-Isoleucine	39.3600	39.3600	39.3600	39.3600	39.3600
L-Leucine	39.3600	39.3600	39.3600	39.3600	39.3600
L-Lysine, Hydrochloride		36.5400	36.5400		36.5400
L-Methionine	14.9200	14.9200	14.9200	14.9200	14.9200
L-Phenylalanine	16.5200	16.5200	16.5200	16.5200	16.5200
L-Proline	17.2700	17.2700	17.2700	17.2700	17.2700
L-Serine	26.2800	26.2800	26.2800	26.2800	26.2800
L-Threonine	17.8700	17.8700	17.8700	17.8700	17.8700
L-Tryptophan	3.0600	3.0600	3.0600	3.0600	3.0600
L-Tyrosine, Disodium, Dihydrate	26.1200	26.1200	26.1200	26.1200	26.1200
L-Valine	17.5700	17.5700	17.5700	17.5700	17.5700
Inorganic Salts	mg/L	mg/L	mg/L	mg/L	mg/L
Calcium Chloride, Dihydrate	132.5000	132.5000	132.5000	132.5000	132.5000
Magnesium Sulfate, Anhydrous	97.6800	97.6800	97.6800	97.6800	97.6800
Potassium Chloride	400.0000	400.0000	400.0000	400.0000	400.0000
Sodium Bicarbonate	2200.0000	2200.0000	2200.0000	2200.0000	2200.0000
Sodium Chloride	6460.0000	6460.0000	6460.0000	6460.0000	6460.0000
Sodium Phosphate, Monobasic, Monohydrate	580.0000	580.0000	580.0000	580.0000	580.0000

 Liquid Media	MCL01	MCL02	MCL04	MCL05	MCL06
Other Components	mg/L	mg/L	mg/L	mg/L	mg/L
D-Glucose, Anhydrous	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
Glutathione, Reduced	0.5000	0.5000	0.5000	0.5000	0.5000
Meat Peptone	600.0000	600.0000	600.0000	600.0000	600.0000
Phenol Red, Sodium Salt	10.0000	10.0000	10.0000	10.0000	
Vitamins	mg/L	mg/L	mg/L	mg/L	mg/L
Biotin	0.2000	0.2000	0.2000	0.2000	0.2000
Choline Chloride	5.0000	5.0000	5.0000	5.0000	5.0000
D-Calcium Pantothenate	0.2000	0.2000	0.2000	0.2000	0.2000
Folic Acid	10.0000	10.0000	10.0000	10.0000	10.0000
L-Ascorbic Acid	0.5000	0.5000	0.5000	0.5000	0.5000
Myo-Inositol	36.0000	36.0000	36.0000	36.0000	36.0000
Niacinamide	0.5000	0.5000	0.5000	0.5000	0.5000
Nicotinic Acid	0.5000	0.5000	0.5000	0.5000	0.5000
para-Aminobenzoic Acid	1.0000	1.0000	1.0000	1.0000	1.0000
Pyridoxal, Hydrochloride	0.5000	0.5000	0.5000	0.5000	0.5000
Pyridoxine, Hydrochloride	0.5000	0.5000	0.5000	0.5000	0.5000
Riboflavin	0.2000	0.2000	0.2000	0.2000	0.2000
Thiamine, Hydrochloride	0.2000	0.2000	0.2000	0.2000	0.2000
Vitamin B12	2.0000	2.0000	2.0000	2.0000	2.0000