

## Product Information

McCoy's 5A Medium, with L- Glutamine  
 Cat. No.: E0500-250      Volume: 500 ml

### Product Specifications

CO <sub>2</sub> concentration, optimum	5.0%
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°C to +8°C protected from light

### Formulation

Components	Concentration mg/l	Molecular Weight g/mol	Concentration mM
<b>Amino Acids</b>			
L-Alanine	13.36	89.09	0.15
L-Arginine HCl	42.14	210.66	0.20
L-Asparagine H <sub>2</sub> O	45.03	150.13	0.30
L-Aspartic Acid	19.97	133.10	0.15
L-Cysteine HCl H <sub>2</sub> O	31.75	175.63	0.18
L-Glutamic Acid	22.07	147.13	0.15
L-Glutamine	219.15	146.15	1.50
Glycine	7.51	75.07	0.10
L-Histidine HCl H <sub>2</sub> O	20.96	209.63	0.10
L-Hydroxyproline	19.67	131.13	0.15
L-Isoleucine	39.36	131.17	0.30
L-Leucine	39.36	131.17	0.30
L-Lysine HCl	36.54	182.65	0.20
L-Methionine	14.92	149.21	0.10
L-Phenylalanine	16.52	165.19	0.10
L-Proline	17.27	115.13	0.15
L-Serine	26.28	105.09	0.25
L-Threonine	17.87	119.12	0.15
L-Tryptophan	3.06	204.23	0.015
L-Tyrosine 2 Na	26.10	225.15	0.12

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Components	Concentration mg/l	Molecular Weight g/mol	Concentration mM
L-Valine	17.57	117.15	0.15
<b>Vitamins</b>			
4-Aminobenzoic Acid	1.00	137.14	0.0073
Ascorbic Acid	0.56	176.12	0.0032
D-Biotin	0.20	244.31	0.0008
Choline chloride	5.00	139.62	0.0358
D-Calcium Pantothenate	0.20	476.53	0.0004
Folic Acid	10.00	441.40	0.0227
myo-Inositol	36.00	180.16	0.20
Nicotinamide	0.50	122.12	0.0041
Nicotinic Acid	0.50	123.11	0.0041
Pyridoxal HCl	0.50	203.62	0.0025
Pyridoxine HCl	0.50	203.62	0.0025
Riboflavin	0.20	376.36	0.0005
Thiamine HCl	0.20	337.27	0.0006
Vitamin B12	2.00	1355.37	0.0015
<b>Inorganic Salts</b>			
Calcium Chloride 2 H <sub>2</sub> O	132.00	147.01	0.90
Magnesium Sulfate	97.67	120.37	0.81
Potassium Chloride	400.00	74.55	5.37
Sodium Bicarbonate	2200.00	84.01	26.19
Sodium Chloride	6460.00	58.44	110.54
Sodium Phosphate Monobasic Anhydrous	504.00	119.98	4.20
<b>Other Components</b>			
D-Glucose	3000.00	180.16	16.65
L-Glutathione Reduced	0.50	307.32	0.0016
Meat Peptone	600.00	-	-
Phenol Red Sodium Salt	11.0	376.36	0.03

### 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.