

McCoy's 5A Medium, with L-Glutamine

General information

McCoy's 5A Medium is suitable for promoting the growth of various cell types, including primary cells, established cell lines, and explants. Additionally, it is utilized in the generation of viruses in primary cell cultures.

Product specifications

CO2 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

Amino Acids

L-Alanine	13.36
L-Arginine HCl	42.14
L-Asparagine H ₂ O	45.03
L-Aspartic Acid	19.97
L-Cystine 2 HCl	31.75
L-Glutamic Acid	22.07
L-Glutamine	219.15
Glycine	7.51
L-HistidineHClH ₂ O	20.96
L-Hydroxyproline	19.67
L-Isoleucine	39.36
L-Leucine	39.36
L-Lysine HCl	36.54
L-Methionine	14.92
L-Phenylalanine	16.52
L-Proline	17.27
L-Serine	26.28
L-Threonine	17.87
L-Tryptophan	3.06
L-Tyrosine 2 Na	26.10
L-Valine	17.57

Vitamins

4-Aminobenzoic Acid	1.00
Ascorbic Acid	0.56
D-Biotin	0.20
Choline chloride	5.00
D-Calcium Pantothenate	0.20
Folic Acid	10.00
myo-Inositol	36.00
Nicotinamide	0.50
Nicotinic Acid	0.50
Pyridoxal HCl	0.50
Pyridoxine HCl	0.50
Riboflavin	0.20
Thiamine HCl	0.20
Vitamin B12	2.00

Inorganic Salts

Calcium Chloride 2 H ₂ O	132.00
Magnesium Sulfate	97.67
Potassium Chloride	400.00
Sodium Bicarbonate	2200.00
Sodium Chloride	6460.00
Sodium Phosphate Monobasic Anhydrous	504.00

Other Components

D-Glucose	3000.00
L-Glutathione Reduced	0.50
Meat Peptone	600.00
Phenol Red Sodium Salt	11.0

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.

Ordering information

Catalogue number	Pack size
LTLM-B17	500 ml

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