

【Product Name】

Name: McCoy's 5A Medium ((Modified)) , with L-Glutamine

Cat. No: C3020-0500

Specifications: 500ml

【Product Description】

McCoy's 5A medium was developed at Roswell Park Memorial Institute in Buffalo, New York. The first medium was developed in 1955 as the result of studies on the nutritional requirements of the Walker 256 carcinoma. The original formulation was based on the amino acids in concentrations similar to those in Eagle's medium as well as the water soluble vitamins of Medium 199. Modifications to the original formulation resulted in the final version being published in 1960. The final formulation also incorporates modifications done by Iwakata and Grace and contains increased amounts of folic acid, vitamin B12, and peptone. This medium is also known to support growth of primary cultures derived from a variety of tissues.

Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements specific for different cell lines.

【Composition】

Ingredients	Mg/L
INORGANIC SALTS	
Calcium chloride dihydrate	132.430
Magnesium sulphate anhydrous	97.720
Potassium chloride	400.000
Sodium chloride	6460.000

Sodium phosphate monobasic anhydrous	504.350
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AMINO ACIDS

Glycine	7.510
L-Alanine	13.360
L-Arginine hydrochloride	42.140
L-Asparagine, anhydrous	45.030
L-Aspartic acid	19.970
L-Cysteine hydrochloride	31.500
L-Glutamic acid	22.070
L-Glutamine	219.200
L-Histidine hydrochloride	20.960
L-Hydroxyproline	19.670
L-Isoleucine	39.360
L-Leucine	39.360
L-Lysine hydrochloride	36.540
L-Methionine	14.920
L-Phenylalanine	16.520
L-Proline	17.270
L-Serine	26.280
L-Threonine	17.870
L-Tryptophan	3.060
L-Tyrosine Disodium Salt	26.100
L-Valine	17.570

VITAMINS

Ascorbic acid	0.5625
Biotin	0.200
Choline chloride	5.000



D-Ca-Pantothenate	0.200
Folic acid	10.000
Niacin	0.500
Niacinamide	0.500
Pyridoxal hydrochloride	0.500
Pyridoxine hydrochloride	0.500
Riboflavin	0.200
Thiamine hydrochloride	0.200
Vitamin B12	2.000
i-Inositol	36.000
p-Amino benzoic acid (PABA)	1.000
OTHERS	
D-Glucose	3000.000
Glutathione reduced	0.500
Peptic digest of animal tissue	600.000
Phenol red (Sodium Salt)	11.000
Sodium bicarbonate	2200.000

【Storage and Stability】

McCoy's 5A Medium ((Modified)) , with L-Glutamine should be stored at 2-8°C. Use

before the expiry date.

【Procedure】

- 1.Take a bottle from the defined storage conditions at 2-8°C and read the label.
- 2.Wipe the outside of the bottle with a disinfectant solution such as 70% ethanol.
- 3.Using aseptic/sterile technique under a laminar-flow culture hood, work according to established protocols.
- 4.Antibiotics may be added if desired.

【Quality Control】

McCoy's 5A Medium ((Modified)) , with L-Glutamine is tested for sterility, pH, Osmolality and endotoxin concentrations. In addition, each batch is tested for cell growth using Vero.

【Precaution and Disclaimer】

For research use only, not for clinical diagnosis and treatment.

