

**McCOY'S 5A MEDIUM (MODIFIED)**

**Catalog # 36350**

**500 mL per bottle**

Selection of suitable nutrient medium is dependent on type of cell, conditions of culture, and degree of chemical definition required for the cell culture application.

**PRODUCT DESCRIPTION:**

This product contains L-glutamine and is supplemented with Sodium Bicarbonate.

This product **does not** contain Antibiotics.

pH 7.2 - 7.6

Formulation is listed on reverse side.

**STABILITY / STORAGE:**

Store at 2 - 8°C.

Stable for one year from date of manufacture (refer to: Directions for use).

Contents guaranteed sterile if seal is not tampered with.

**DIRECTIONS FOR USE:**

This product contains the labile amino acid L-glutamine which has a half-life of approximately one month when stored at 2 - 8°C. For certain cell culture applications, medium stored for greater than two months following date of manufacture should be supplemented with additional L-glutamine. Add 5 mL of 200mM

L-glutamine (Cat# 07100) to 500 mL to achieve a final concentration of 2 mM.

If desired, add 5 mL of Penicillin and Streptomycin Solution (Cat# 07500) to each 500 mL bottle to achieve a final concentration of 100 U/mL Penicillin and 100 µg/mL of Streptomycin. Following addition of antibiotics, medium should be used within one week.

**THIS REAGENT IS FOR LABORATORY USE ONLY.  
IT IS NOT TO BE ADMINISTERED TO HUMANS.**

## McCOY'S 5A MEDIUM MODIFIED

COMPONENT	36350 g/L
<b>INORGANIC SALTS</b>	
Calcium Chloride $\cdot 2H_2O$	0.1324324
Magnesium Sulfate (anhydrous)	0.0976876
Potassium Chloride	0.4
Sodium Chloride	6.46
Sodium Phosphate Monobasic (anhydrous)	0.504
<b>AMINO ACIDS</b>	
L-Alanine	0.01336
L-Arginine $\cdot HCl$	0.04214
L-Asparagine $\cdot H_2O$	0.04503
L-Aspartic Acid	0.01997
L-Cysteine	0.02424
L-Glutamic Acid	0.02207
L-Glutamine	0.21915
Glycine	0.00751
L-Histidine $\cdot HCl \cdot H_2O$	0.02096
Hydroxy-L-proline	0.01967
L-Isoleucine	0.03936
L-Leucine	0.03936
L-Lysine $\cdot HCl$	0.03654
L-Methionine	0.01492
L-Phenylalanine	0.01652
L-Proline	0.01727
L-Serine	0.02628
L-Threonine	0.01787
L-Tryptophan	0.00306
L-Tyrosine $2Na \cdot 2H_2O$	0.0261
L-Valine	0.01757
<b>VITAMINS</b>	
Ascorbic Acid	0.0005625
p-Amino Benzoic Acid	0.001
D-Biotin	0.0002
Choline Chloride	0.005
Folic Acid	0.01
myo-Inositol	0.036
Niacinamide	0.0005
Nicotinic Acid	0.0005
D-Pantothenic Acid (hemicalcium)	0.0002
Pyridoxal $\cdot HCl$	0.0005
Pyridoxine $\cdot HCl$	0.0005
Riboflavin	0.0002
Thiamine $\cdot HCl$	0.0002
Vitmaine B-12	0.002
<b>OTHER</b>	
Peptone	0.6
D-Glucose	3.0
Glutathione (reduced)	0.0005
Phenol Red $\cdot Na$	0.011
Sodium Bicarbonate	2.2