

# McCoy's 5A Medium

## McCoy's 5A medium

Catalog # 36350      500 mL



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713  
INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM  
FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

## Product Description

McCoy's 5A Medium is recommended for a wide variety of cell culture applications. Selection of a suitable nutrient medium is dependent on the type of cell, culture conditions, and degree of chemical definition required for the cell culture application.

See Formulation on page 2 for a full list of components.

## Properties

- Storage:** Store at 2 - 8°C.  
**Shelf Life:** Stable for 12 months from date of manufacture (MFG) on label.  
**Contains:**
- L-Glutamine
  - Sodium bicarbonate

## Handling / Directions For Use

This product contains the labile amino acid L-glutamine which has a half-life of approximately 1 month when stored at 2 - 8°C. For certain cell culture applications, medium stored for greater than 2 months following the date of manufacture should be supplemented with additional L-glutamine. Add 5 mL of 200 mM L-Glutamine (Catalog #07100) to 500 mL of McCoy's 5A Medium to achieve a final concentration of 2 mM.

NOTE: This product does not contain antibiotics. If desired, add antibiotics and use within 1 week.

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## Formulation

<b>INORGANIC SALTS</b>	<b>g/L</b>
Calcium Chloride•2H <sub>2</sub> O	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>	<b>g/L</b>
L-Alanine	0.01336
L-Arginine•HCl	0.04214
L-Asparagine•H <sub>2</sub> O	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•HCl•H <sub>2</sub> O	0.02096
Hydroxy-L-proline	0.01967
L-Isoleucine	0.03936
L-Leucine	0.03936
L-Lysine•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•2H <sub>2</sub> O	0.0261
L-Valine	0.01757
<b>VITAMINS</b>	<b>g/L</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•HCl	0.0005
Pyridoxine•HCl	0.0005
Riboflavin	0.0002
Thiamine•HCl	0.0002
Vitamin B-12	0.002
<b>OTHER</b>	<b>g/L</b>
Peptone	0.6
D-Glucose	3.0
Glutathione (reduced)	0.0005
Phenol Red•Na	0.011
Sodium Bicarbonate	2.2