

---

Certificate of Analysis

Date: 7-01-2022

Product Name: McCoy's 5A Medium, 1x

Catalog: TBS8030

Lot: 22070102

Product Format: liquid.

Product Size: 500 mL

Storage Conditions: 2 ~ 8°C

Expiration Date: 07/01, 2023

Test / Method	Specification	Result
Appearance	Liquid	Pass
Color	Pink	Pass
pH	7.0-8.0	Pass
Activity	Cell culture	Pass

It is hereby certified that the above product has been tested for proper performance and function under our established Quality Control testing criteria. It is authorized by our Quality Assurance program to be released for sale.

Certified by Thom Paul

*Thompaul*

For research use only

### McCoy's 5A Medium Formulation (TBS8030)

In 1959, McCoy and his coworkers reported the amino acid requirements for *in vitro* cultivation of Novikoff Hepatoma Cells. These studies were performed using Basal Medium 5A, and subsequently modified to create a new medium known as McCoy's 5A Medium.

Hsu and Kellogg employed this medium to support growth of primary cultures derived from normal bone marrow, skin, gingiva, testes, mouse kidney, omentum, adrenal glands, lung, spleen, rat embryos, and other tissues.

The McCoy's 5A medium Formulation listed as below:

<b>McCoy's 5A Medium (1x)</b>	<b>TBS8030</b>
<b>COMPONENT</b>	<b>g/L</b>
<b>Inorganic Salts</b>	
CaCl <sub>2</sub>	0.1324324
MgSO <sub>4</sub>	0.0976876
KCl	0.4
NaHCO <sub>3</sub>	2.2
NaCl	6.46
NaH <sub>2</sub> PO <sub>4</sub>	0.504
<b>Amino Acids</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>	
Ascorbic Acid	0.0005625
p-Amino Benzoic Acid	0.001
D-Biotin	0.0002
Choline Chloride	0.005
Folic Acid	0.010
myo-Inositol	0.036
Niacinamide	0.0005
Nicotinic Acid	0.0005
D-Pantothenic Acid • ½Ca	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>	
Peptone	0.6
D-Glucose	3.0
Glutathione (reduced)	0.0005
Phenol Red • Na	0.011