

## MCCOY'S 5A

Catalogue #: CM10051  
 Storage: 4-8 °C  
 Packing Size: 100mL

### 产品简介:

1959, McCoy 等报道了体外培养 Novikoff Hepatoma 细胞所需的氨基酸。他们在基本培养基 5A 的基础上通过调整加入氨基酸的量产生了 MCCOY'S 5A 的配方。随后 Hsu 和 Kellogg 使用这种培养基成功培养了一系列来源于多种组织的原代细胞, 这些组织包括正常骨髓 (bone marrow)、皮肤 (skin)、牙龈 (gingiva)、睾丸 (testes)、小鼠肾脏 (mouse kidney)、网膜 (omentum)、肾上腺 (adrenal glands)、肺 (lung)、脾脏 (spleen)、大鼠胚胎 (rat embryos) 及其它组织。

该产品含有 25mM 的 HEPES。

**产品类型:** 无菌过滤即用型液体培养基

**渗透压:** 321±16 mOsm

**酸碱度:** 7.2-7.4

### 参考文献:

1. McCoy, T.A., Maxwell, M. and Kruse, P.F., (1959). Amino Acid Requirement of the Novikoff Hepatoma In Vitro. Proc. Soc. Exp. Biol. Med. 100, 115-118.
2. Patterson, M.K. and Dell'orco, R.T., (1978). Preparation of McCoy's Medium 5A. Tissue Culture Association Manual. 4, 737-740.
3. Hsu, T.C. and Kellogg, D.S., (1960). Primary Cultivation and Continuous Propagation In Vitro of Tissues from Small Biopsy Specimens. J.N.C.I. 25, 221-231.
4. Iwakata, S. and Grace, J.T., (1964). Cultivation in Vitro of Myeoblasts from Human Leukemia. New York State Journal of Med. 64, 2279-2282.
5. Morton, H.J., (1970). A Survey of Commercially Available Tissue Culture Media. In Vitro. 6, 89.

### Inorganic Salts

	mg/L
CaCl <sub>2</sub> (anhydrous)	100.00
KCl	400.00
MgSO <sub>4</sub> (anhydrous)	97.70
NaCl	5960.00
NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O	580.00
NaHCO <sub>3</sub>	2200.00

### Amino Acids

L-Alanine	13.36
L-Arginine·HCl	42.14
L-Asparagine·H <sub>2</sub> O	45.03
L-Aspartic acid	19.97
L-Cysteine·HCl·H <sub>2</sub> O	35.14
L-Glutamic acid	22.10
L-Glutamine	219.20
L-Glycine	7.50
L-Histidine·HCl·H <sub>2</sub> O	20.96
Hydroxy-L-proline	19.70
L-Isoleucine	39.36
L-Leucine	39.36
L-Lysine·HCl	36.54
L-Methionine	14.92
L-Phenylalanine	16.52
L-Proline	17.30
L-Serine	26.30
L-Threonine	17.90
L-Tryptophan	3.10
L-Tyrosine·2Na·2H <sub>2</sub> O	26.12
L-Valine	17.60

### Vitamins

Ascorbic acid	0.50
Biotin	0.20
D-Calcium pantothenate	0.20
Choline chloride	5.00
Folic acid	10.00
i-Inositol	36.00
Nicotinamide	0.50
Nicotinic acid	0.50
<i>Para</i> -Aminobenzoic acid	1.00
Pyridoxine·HCl	1.00
Riboflavin	0.20
Thiamine·HCl	0.20
Vitamin B <sub>12</sub>	2.00

### Other

Bacto-peptone	600.00
D-Glucose	3000.00
Glutathione (reduced)	0.50
HEPES	5958.00
Phenol red, Na	10.00

For resaech use only

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