

MCCOY'S 5A

Catalogue #: CM10050
Storage: 4-8 °C
Packing Size: 500mL

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。

产品类型: 无菌过滤即用型液体培养基

渗透压: 280-330 mOsm

酸碱度: 7.2-7.4

参考文献:

- McCoy, T. A., Maxwell, M. and Kruse, P.F., (1959). Amino Acid Requirement of the Novioff Hepatoma In Vitro. Proc. Soc. Exp. Biol. Med. 100, 115-118.
- Patterson, M.K. and Dell' orco, R.T., (1978). Preparation of McCoy's Medium 5A. Tissue Culture Association Manual. 4, 737-740.
- 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.
- Iwakata, S. and Grace, J.T., (1964). Cultivation in Vitro of Myeoblasts from Human Leukemia. New York State Journal of Med. 64, 2279-2282.
- Morton, H.J., (1970). A Survey of Commercially Available Tissue Culture Media. In Vitro. 6, 89.

Inorganic Salts	mg/L	Vitamins	
CaCl ₂ (anhydrous)	100.00	Ascorbic acid	0.50
KCl	400.00	Biotin	0.20
MgSO ₄ (anhydrous)	97.70	D-Calcium pantothenate	0.20
NaCl	6460.00	Choline chloride	5.00
NaH ₂ PO ₄ •H ₂ O	580.00	Folic acid	10.00
NaHCO ₃	2200.00	i-Inositol	36.00
Amino Acids		Nicotinamide	0.50
L-Alanine	13.36	Nicotinic acid	0.50
L-Arginine•HCl	42.14	Para-Aminobenzoic acid	1.00
L-Asparagine•H ₂ O	45.03	Pyridoxine•HCl	1.00
L-Aspartic acid	19.97	Riboflavin	0.20
L-Cysteine•HCl•H ₂ O	35.14	Thiamine•HCl	0.20
L-Glutamic acid	22.10	Vitamin B ₁₂	2.00
L-Glutamine	219.20	Other	
L-Glycine	7.50	Bacto-peptone	600.00
L-Histidine•HCl•H ₂ O	20.96	D-Glucose	3000.00
Hydroxy-L-proline	19.70	Glutathione (reduced)	0.50
L-Isoleucine	39.36	HEPES	
L-Leucine	39.36	Phenol red, Na	10.00
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 ₂ O	26.12		
L-Valine	17.60		

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES



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