

Basal Medium Eagle with Earle's salts*Cell Culture Medium*

产品编号: CM50005

产品简介: 由 Harry Eagle 于 1962 年开发, Eagle's 基本培养基 (或称为 BME) 为广泛应用合成培养基之一。加入适当的添加剂后可以用来支持包括正常细胞以及转化细胞的单层细胞增殖。该培养基的开发是基于 20 世纪 50 年代的几项研究成果, 当时这种基本培养基被用来确定细胞生长必要的营养成分。BME 是 Eagle's Minimum Essential Medium (MEM) 和 Dulbecco's Modified Eagle's Medium (DME) 的前身, 可用来培养二倍体或者原代哺乳动物细胞。Developed by Harry Eagle in 1962, Eagle's Basal Medium or BME is one of the most widely used of all synthetic cell culture media. BME, when properly supplemented, has demonstrated wide applicability, for supporting monolayer growth of a wide variety of normal and transformed cell lines. BME was developed a result of numerous studies carried out in the late 1950's to determine the essential nutritional requirements and other factors critical to the growth of cells in culture. BME is the predecessor of Eagle's Minimum Essential Medium (MEM) and Dulbecco's Modified Eagle's Medium (DME) and is suitable for use with diploid and primary mammalian cell cultures.

产品类型: 无菌过滤即用型液体培养基

渗透压: 285±15 mOsm

酸碱度: 7.5±0.2

储存条件: 4-8°C

包装规格: 500mL

参考文献:

Eagle, H. et al (1956). myo-Inositol as an Essential Growth Factor for Normal and Malignant Human Cells in Tissue Culture. J.Biol. Chem. 214, 839.

化学成分:

Inorganic Salts	mg/L	L-Threonine	24
CaCl ₂ (anhydrous)	200	L-Tryptophan	4
KCl	400	L-Tyrosine•2Na•2H ₂ O	25.95
MgSO ₄ (anhydrous)	97.67	L-Valine	23.5
NaCl	6800	Vitamins	mg/L
NaH ₂ PO ₄ •H ₂ O	140	Biotin	1
NaHCO ₃	2200	D-Calcium pantothenate	1
Amino Acids	mg/L	Choline chloride	1
L-Arginine•HCl	21	Folic acid	1
L-Cystine•2HCl	15.65	i-Inositol	2
L-Glutamine	292.3	Nicotinamide	1
L-Histidine•HCl•H ₂ O	15	Pyridoxine•HCl	1
L-Isoleucine	26	Riboflavin	0.1
L-Leucine	26	Thiamine•HCl	1
L-Lysine•HCl	36.47	Other	mg/L
L-Methionine	7.5	D-Glucose	1000
L-Phenylalanine	16.5	Phenol red, Na	10

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