

## Dulbecco's Modified Eagle's Medium (DMEM)

Cell Culture Medium

产品编号: CM15021

**产品简介:** Dulbecco's Modified Eagle's Medium (DMEM) 是在 Basal Medium Eagle (BME) 基础上改进而来。其中氨基酸浓度为 BME 的 4 倍, 根据葡萄糖 (glucose) 的浓度高低分为“高糖 (4500mg/L)”和“低糖 (1000mg/L) 两类, 相对 BME, DMEM 含有多 种添加成分。DMEM 首见于小鼠胚胎细胞培养, 其后各种改进型广泛用于原代细胞, 非转化和转化细胞的培养。各种 DMEM 的 区别主要在于 L-谷氨酰胺 (L-glutamine), 丙酮酸钠 (sodium pyruvate) 的不同组合以及是否含有酚红 (phenol red) 等。

本产品含有 4500 mg/L glucose, L-glutamine; 不含 sodium pyruvate 和 phenol red。

**产品类型:** 无菌过滤即用型液体培养基

**包装规格:** 500 mL

**储存条件:** 4-8°C

**渗透压:** 325 ± 10 mOsm

**酸碱度:** 7.2 ± 0.2

**参考文献:**

1. Dulbecco, R. and Freeman, G. (1959). Plaque Production by the Polyoma Virus. *Virology*. 8, 396-397.
2. Smith, J.D., Freeman, G., Vogt, M. and Dulbecco, R. (1960). The Nucleic Acid of Polyoma Virus. 12, 185-196.
3. Morton, H.J., (1970). A Survey of Commercially Available Tissue Culture Media. *In Vitro*. 6, 89.
4. Rutzky, L.P. and Pumper, R.W., (1974). Supplement to a Survey of Commercially Available Tissue Culture Media (1970). *In Vitro*. 9, 468.



**Dulbecco's Modified Eagle's Medium (DMEM)** with glucose, L-glutamine; without sodium pyruvate and phenol red

<b>Catalog No.</b>	CM15021
<b>Inorganic Salts</b>	mg/L
CaCl <sub>2</sub> (anhydrous)	200
Fe(NO <sub>3</sub> ) <sub>3</sub> •9H <sub>2</sub> O	0.1
KCl	400
MgSO <sub>4</sub> (anhydrous)	97.7
NaCl	6400
NaH <sub>2</sub> PO <sub>4</sub> •H <sub>2</sub> O	125
NaHCO <sub>3</sub>	3700
<b>Amino Acids</b>	
L-Arginine•HCl	84
L-Cystine•2HCl	62.57
L-Glutamine	584
Glycine	30
L-Histidine•HCl•H <sub>2</sub> O	42
L-Isoleucine	104.8
L-Leucine	104.8
L-Lysine•HCl	146.2
L-Methionine	30
L-Phenylalanine	66
L-Serine	42
L-Threonine	95.2
L-Tryptophan	16
L-Tyrosine•2Na•2H <sub>2</sub> O	103.79
L-Valine	94
<b>Vitamins</b>	
D-Calcium pantothenate	4
Choline chloride	4
Folic acid	4
i-Inositol	7.2
Nicotinamide	4
Pyridoxine•HCl	4
Riboflavin	0.4
Thiamine•HCl	4
<b>Other</b>	
D-Glucose	4500
Phenol red, Na	
Sodium pyruvate	
HEPES	

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