

DMEM

货号: D5191、D5192、D5193

规格: 500ml

有效期: 2-8°C避光保存, 有效期 12 个月。

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。

渗透压: 335±30 mOsm

酸碱度: 7.2±0.2

Cat. NO	D5191	D5192	D5193
Components	Concentration (mg/L)	Concentration (mg/L)	Concentration (mg/L)
CaCl ₂ (anhydrous)	200.0	200.0	200.0
Fe(NO ₃) ₃ • 9H ₂ O	0.1	0.1	0.1
KCl	400.0	400.0	400.0
MgSO ₄ (anhydrous)	97.7	97.7	97.7
NaCl	6400.0	6400.0	6400.0
NaH ₂ PO ₄ • H ₂ O	125.0	125.0	125.0
NaHCO ₃	3700	3700	3700
L-Arginine • HCl	84.0	0	84.0
L-Cystine • 2HCl	62.57	0	62.57
L-Glutamine	0	0	584.0
Glycine	30.0	0	30.0
L-Histidine • HCl • H ₂ O	42.0	0	42.0
L-Isoleucine	104.8	0	104.8
L-Leucine	104.8	0	104.8
L-Lysine • HCl	146.2	0	146.2
L-Methionine	30.0	0	30.0
L-Phenylalanine	66.0	0	66.0
L-Serine	42.0	0	42.0
L-Threonine	95.2	0	95.2
L-Tryptophan	16.0	0	16.0
L-Tyrosine • 2Na • 2H ₂ O	103.79	0	103.79
L-Valine	94.0	0	94.0
D-Calcium pantothenate	4.0	4.0	4.0
Choline chloride	4.0	4.0	4.0
Folic acid	4.0	4.0	4.0

<i>i</i> -Inositol	7.2	7.2	7.2
Nicotinamide	4.0	4.0	4.0
Pyridoxine • HCl	4.0	4.0	4.0
Riboflavin	0.4	0.4	0.4
Thiamine • HCl	4.0	4.0	4.0
D-Glucose	1000	4500	4500
Phenol red,Na	0	15	15
Sodium pyruvate	0	0	110
HEPES	0	0	0

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 CultureMedia (1970). *In Vitro*.9,468.