

Dulbecco's Modified Eagle's Medium (DMEM) *Cell Culture Medium*

产品编号: CM15020

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, sodium pyruvate 和 25 mM HEPES; 不含酚红, 用于和激素有关的细胞实验。

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: 354±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.



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Catalog No.	CM10013	CM10014	CM10017	CM15013	CM15017	CM15018	CM15019	CM15020	CM17204	CM17205	CM17206
Inorganic Salts	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
CaCl ₂ (anhydrous)	200	200	200	200	200	200	200	200	200	200	200
Fe(NO ₃) ₃ •9H ₂ O	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
KCl	400	400	400	400	400	400	400	400	400	400	400
MgSO ₄ (anhydrous)	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
NaCl	6400	6400	6400	6400	6400	6400	6400	6400	6400	6400	6400
NaH ₂ PO ₄ •H ₂ O	125	125	125	125	125	125	125	125	125	125	125
NaHCO ₃	3700	3700	3700	3700	3700	3700	3700	3700	3700	3700	3700
Amino Acids											
L-Arginine•HCl	84	84	84	84	84	84	84	84	84	84	84
L-Cystine•2HCl	62.57	62.57	62.57	62.57	62.57	62.57	62.57	62.57		62.57	62.57
L-Glutamine	584	584	584				584	584			
Glycine	30	30	30	30	30	30	30	30	30	30	30
L-Histidine•HCl•H ₂ O	42	42	42	42	42	42	42	42	42	42	42
L-Isoleucine	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8
L-Leucine	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8
L-Lysine•HCl	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2
L-Methionine	30	30	30	30	30	30	30	30		30	30
L-Phenylalanine	66	66	66	66	66	66	66	66	66	66	66
L-Serine	42	42	42	42	42	42	42	42	42	42	42
L-Threonine	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
L-Tryptophan	16	16	16	16	16	16	16	16	16	16	16
L-Tyrosine•2Na•2H ₂ O	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79
L-Valine	94	94	94	94	94	94	94	94	94	94	94
Vitamins											
D-Calcium pantothenate	4	4	4	4	4	4	4	4	4	4	4
Choline chloride	4	4	4	4	4	4	4	4	4	4	4
Folic acid	4	4	4	4	4	4	4	4	4	4	4
i-Inositol	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
Nicotinamide	4	4	4	4	4	4	4	4	4	4	4
Pyridoxine•HCl	4	4	4	4	4	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Thiamine•HCl	4	4	4	4	4	4	4	4	4	4	4
Other											
D-Glucose	4500	1000	4500	4500	4500	4500	4500	4500	4500	4500	4500
Phenol red, Na	15	15	15	15	15	15	15		15		15
Sodium pyruvate	110	110		110		110	110	110	110	110	110
HEPES						5958	5958	5958			

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



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