

Dulbecco's Modified Eagle's Medium (DMEM)

Cell Culture Medium

产品编号: CM15022

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, 不含氨基酸、丙酮酸钠。

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:

5. Dulbecco, R. and Freeman, G. (1959). Plaque Production by the Polyoma Virus. *Virology*. 8, 396-397.
6. Smith, J.D., Freeman, G., Vogt, M. and Dulbecco, R. (1960). The Nucleic Acid of Polyoma Virus. 12, 185-196.
7. Morton, H.J., (1970). A Survey of Commercially Available Tissue Culture Media. *In Vitro*. 6, 89.
8. 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	CM15018	CM15019	CM15020	cm15021	CM90113	CM15022
Inorganic Salts	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
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
KCl	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
NaCl	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
NaHCO ₃	3700	3700	3700	3700	3700	3700	3700	3700	3700
Amino Acids									
L-Arginine•HCl	84	84	84	84	84	84	84	84	0
L-Cystine•2HCl	62.57	62.57	62.57	62.57	62.57	62.57	62.57	62.57	0
L-Glutamine	584	584	584	O	584	584	584	O	0
Glycine	30	30	30	30	30	30	30	30	0
L-Histidine•HCl•H ₂ O	42	42	42	42	42	42	42	42	0
L-Isoleucine	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	0
L-Leucine	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	0
L-Lysine•HCl	146.2	146.2	146.2	146.2	146.2	146.2	146.2	146.2	0
L-Methionine	30	30	30	30	30	30	30	30	0
L-Phenylalanine	66	66	66	66	66	66	66	66	0
L-Serine	42	42	42	42	42	42	42	42	0
L-Threonine	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	0
L-Tryptophan	16	16	16	16	16	16	16	16	0
L-Tyrosine•2Na•2H ₂ O	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79	0
L-Valine	94	94	94	94	94	94	94	94	0
Vitamins									
D-Calcium pantothenate	4	4	4	4	4	4	4	4	4
Choline chloride	4	4	4	4	4	4	4	4	4
Folic acid	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
Nicotinamide	4	4	4	4	4	4	4	4	4
Pyridoxine•HCl	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
Thiamine•HCl	4	4	4	4	4	4	4	4	4
Other									
D-Glucose	4500	1000	4500	4500	4500	4500	4500	O	4500
Phenol red, Na	15	15	15	15	15	O	O	O	15
Sodium pyruvate	110	110	O	110	110	110	O	O	0
HEPES	O	O	O	5958	5958	5958	5958	O	O

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