

MCDB 131

Catalogue #: CM15100
 Storage: 4-8 °C
 Packing Size: 500mL

产品简介:

MCDB 系列培养基是由 Ham 等人在 20 世纪 70 到 80 年代开发使用的, 可以满足细胞在一定激素、生长因子和微量元素或者低量透析血清条件下生长。MCDB 131 最初用来培养人微血管内皮细胞 (HMVEC) 的克隆生长, 还广泛用于肝细胞、平滑肌细胞、心肌细胞及其它细胞类型的无血清条件培养。

产品类型: 无菌过滤即用型液体培养基

渗透压: 280±20 mOsm

酸碱度: 7.4±0.2

产品成分:

<i>Ingredients</i>	<i>mg/L</i>
<i>Inorganic Salts</i>	
CaCl ₂ o2H ₂ O	235.2
CuSO ₄ o5H ₂ O	0.0012
FeSO ₄ o7H ₂ O	0.278
KCl	298.2
MgSO ₄ (anhydrous)	1204
MnSO ₄ oH ₂ O	0.0002
NaCl	6428.4
Na ₂ HPO ₄ (anhydrous)	71
NaHCO ₃	1180
Na ₂ SeO ₃	0.0052
Na ₂ SiO ₃ o9H ₂ O	2.842
(NH ₄) ₆ Mo ₇ O ₂₄ o4H ₂ O	0.0037
NH ₄ VO ₃	0.0006
NiCl ₂ o6H ₂ O	0.0001
ZnSO ₄ o7H ₂ O	0.0003
<i>Amino Acids</i>	
L-Alanine	2.67
L-ArginineoHCl	63.21
L-AsparagineoH ₂ O	15.01
L-Aspartic acid	13.31
L-CysteineoHCl oH ₂ O	35.12
L-Glutamic acid	4.413
L-Glutamine	
L-Glycine	2.25
L-HistidineoHCl oH ₂ O	41.92

L-Isoleucine	65.6
L-Leucine	131.2
L-LysineoHCl	182.6
L-Methionine	14.92
L-Phenylalanine	33.04
L-Proline	11.51
L-Serine	31.53
L-Threonine	11.91
L-Tryptophan	4.08
L-Tyrosineo2Na o2H ₂ O	22.52
L-Valine	117.1
<i>Vitamins</i>	
Biotin	0.0073
D-Calcium pantothenate	11.915
Choline chloride	13.96
Calcium folinic acid	0.5115
i-Inositol	7.208
Nicotinamide	6.105
Lipoic Acid	0.0021
PyridoxineoHCl	2.056
Riboflavin	0.0038
ThiamineoHCl	3.373
Vitamin B12	0.0136
<i>Others</i>	
D-Glucose	1000
Glutathione (reduced)	12.421
PutrescineoHCl	0.0002
Phenol red, Na	12.421
Sodium Pyruvate	110
Thymidine	0.0242
Adenine HCl	0.1716

参考文献:

1. Peehl, DM. and Ham, R.G., (1980). In Vitro, 16:526.
2. Bettger, W.J., et al., (1981) Rapid Clonal Growth and Serial Passage of Human Diploid Fibroblasts in a Lipid-Enriched Synthetic Medium Supplemented with Epidermal Growth Factor, Insulin, and Dexamethasone. Proc. Natl. Acad. Sci., USA, 78:9, 5588-5592.

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