

DMEM/F-12Medium(L-Glutamine, SodiumPyruvate, PhenolRed, HEPES)

DMEM/F-12 培养基(含 L-谷氨酰胺, 丙酮酸钠, 酚红, HEPES)

产品简介

DMEM/F-12 (Dulbecco's Modified Eagle Medium/Nutrient Mixture F-12 Ham), 是 DMEM 培养基和 Ham's F-12 培养基 1:1 的混合物。DMEM 是改良的 Eagle 基本培养基 (BME), 维生素和氨基酸浓度是 BME 的四倍, Ham's F-12 以 Ham's F-10 培养基为基础, 提高了胆碱、肌醇、腐胺和几种氨基酸的浓度。L-谷氨酰胺是细胞培养液体环境中所必需的一种营养成分, 丙酮酸钠可以作为细胞培养中的替代碳源。

本培养基支持多种哺乳动物细胞的生长, 包括神经胶质细胞、成纤维细胞、MDCK、人内皮细胞和大鼠的成纤维细胞等。

产品信息

货号	C231118E
规格	500 mL

产品组分

Components	Molecular Weight	Concentration (mg/L)	mM
Amino Acids			
Glycine	75.0	18.75	0.25
L-Alanine	89.0	4.45	0.049999997
L-Arginine hydrochloride	211.0	147.5	0.69905216
L-Asparagine-H ₂ O	150.0	7.5	0.05
L-Aspartic Acid	133.0	6.65	0.05
L-Cysteine hydrochloride-H ₂ O	176.0	17.56	0.09977272
L-Cystine 2HCl	313.0	31.29	0.09996805
L-Glutamic Acid	147.0	7.35	0.05
L-Histidine hydrochloride-H ₂ O	210.0	31.48	0.14990476
L-Isoleucine	131.0	54.47	0.41580153
L-Leucine	131.0	59.05	0.45076334
L-Lysine hydrochloride	183.0	91.25	0.4986339
L-Methionine	149.0	17.24	0.11570469
L-Phenylalanine	165.0	35.48	0.2150303
Components	Molecular Weight	Concentration (mg/L)	mM

L-Proline	115.0	17.25	0.15
L-Serine	105.0	26.25	0.25
L-Threonine	119.0	53.45	0.44915968
L-Tryptophan	204.0	9.02	0.04421569
L-Tyrosine disodium salt dihydrate	261.0	55.79	0.21375479
L-Valine	117.0	52.85	0.4517094
Vitamins			
Biotin	244.0	0.0035	1.4344263E-5
Choline chloride	140.0	8.98	0.06414285
D-Calcium pantothenate	477.0	2.24	0.0046960167
Folic Acid	441.0	2.65	0.0060090707
Niacinamide	122.0	2.02	0.016557377
Pyridoxine hydrochloride	206.0	2.013	0.009771844
Riboflavin	376.0	0.219	5.824468E-4
Thiamine hydrochloride	337.0	2.17	0.0064391694
Vitamin B12	1355.0	0.68	5.0184503E-4
i-Inositol	180.0	12.6	0.07
Inorganic Salts			
Calcium Chloride (CaCl ₂) (anhydrous)	111.0	116.6	1.0504504
Cupric sulfate (CuSO ₄ ·5H ₂ O)	250.0	0.0013	5.2E-6
Ferric Nitrate (Fe(NO ₃) ₃ ·9H ₂ O)	404.0	0.05	1.2376238E-4
Ferric sulfate (FeSO ₄ ·7H ₂ O)	278.0	0.417	0.0015
Magnesium Chloride (anhydrous)	95.0	28.64	0.30147368
Magnesium Sulfate (MgSO ₄) (anhydrous)	120.0	48.84	0.407
Potassium Chloride (KCl)	75.0	311.8	4.1573334
Sodium Bicarbonate (NaHCO ₃)	84.0	1200	14.285714
Sodium Chloride (NaCl)	58.0	6995.5	120.61207
Sodium Phosphate dibasic (Na ₂ HPO ₄) (anhydrous)	142.0	71.02	0.50014085
Components	Molecular Weight	Concentration (mg/L)	mM

Sodium Phosphate monobasic (NaH ₂ PO ₄ -H ₂ O)	138.0	62.5	0.45289856
Zinc sulfate (ZnSO ₄ -7H ₂ O)	288.0	0.432	0.0015
Other Components			
D-Glucose (Dextrose)	180.0	3151.0	17.505556
Hypoxanthine Na	159.0	2.39	0.015031448
Linoleic Acid	280.0	0.042	1.4999999E-4
Lipoic Acid	206.0	0.105	5.097087E-4
Phenol Red	376.4	8.1	0.021519661
Putrescine 2HCl	161.0	0.081	5.031056E-4
Sodium Pyruvate	110.0	55.0	0.5
Thymidine	242.0	0.365	0.0015082645
L-Glutamine	146	365	2,5
HEPES	238	3574.5	15.018908

储存条件

2-8℃避光保存，有效期1年。

注意事项

1. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
2. 本产品仅用于科研。