

产品介绍

Ham's F-12K营养培养基是Ham's F-12营养混合物的Kaighn's改进型，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。Ham's F-12K 在Ham's F-12的基础上提高了氨基酸和丙酮酸的浓度，降低了葡萄糖的用量，并修改了盐的成分和含量。

Ham's F-12K培养基最初设计用于培养原代人肝细胞以及分化的大鼠和鸡的细胞，适用于在无血清的条件下CHO细胞的单细胞接种，在添加血清的情况下也适用于一些其他类型的哺乳动物细胞，如软骨细胞和大鼠前列腺上皮细胞。

本产品含有： L-谷氨酰胺(2mM)、丙酮酸钠(2mM)、酚红。

不含有： HEPES。

包装规格

500 mL

产品内容

产品组成	PM0003
F-12K培养基	500 ml
说明书	1份

保存条件

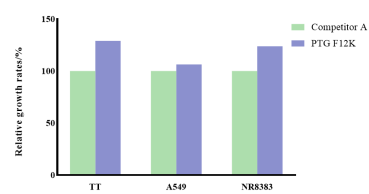
2-8℃避光保存， 一年有效。

产品组分

Components	Molecular Weight	Concentration (mg/L)	mM
Amino Acids			
Glycine	75.0	15.0	0.2
L-Alanine	89.0	18.0	0.20224719
L-Arginine hydrochloride	211.0	422.0	2.0
L-Asparagine-H ₂ O	150.0	30.0	0.2
L-Aspartic acid	133.0	26.6	0.2
L-Cysteine hydrochloride-H ₂ O	176.0	70.0	0.39772728
L-Glutamic Acid	147.0	29.0	0.19727892
L-Glutamine	146.0	292.0	2.0
L-Histidine hydrochloride-H ₂ O	210.0	45.8	0.21809523
L-Isoleucine	131.0	7.88	0.060152672
L-Leucine	131.0	26.2	0.2
L-Lysine hydrochloride	183.0	73.0	0.3989071
L-Methionine	149.0	8.96	0.06013423
L-Phenylalanine	165.0	9.92	0.060121212
L-Proline	115.0	69.0	0.6
L-Serine	105.0	21.0	0.2
L-Threonine	119.0	23.0	0.19327731
L-Tryptophan	204.0	4.1	0.020098038
L-Tyrosine disodium salt dihydrat	262.0	13.5	0.051526718

L-Valine	117.0	23.0	0.1965812
Vitamins			
Biotin	244.0	0.07	2.8688525E-4
Choline chloride	140.0	14.0	0.1
D-Calcium pantothenate	477.0	0.5	0.001048218
Folic Acid	441.0	1.3	0.0029478457
Niacinamide	122.0	0.037	3.032787E-4
Pyridoxine hydrochloride	206.0	0.06	2.9126214E-4
Riboflavin	376.0	0.04	1.0638298E-4
Thiamine hydrochloride	337.0	0.3	8.9020777E-4
Vitamin B12	1355.0	1.4	0.0010332103
i-Inositol	180.0	18.0	0.1
Inorganic Salt			
Calcium Chloride (CaCl ₂) (anhyd.)	111.0	102.0	0.9189189
Cupric sulfate (CuSO ₄ ·5H ₂ O)	250.0	0.002	8.0E-6
Ferric sulfate (FeSO ₄ ·7H ₂ O)	278.0	0.8	0.0028776978
Magnesium Chloride (anhydrous)	95.0	49.7	0.5231579
Magnesium Sulfate (MgSO ₄) (anhyd.)	120.0	192.0	1.6
Potassium Chloride (KCl)	75.0	285.0	3.8
Sodium Bicarbonate (NaHCO ₃)	84.0	2500.0	29.761906
Sodium Chloride (NaCl)	58.0	7530.0	129.82759
Sodium Phosphate dibasic (Na ₂ HPO ₄) anhydrous	142.0	115.5	0.8133803
Sodium Phosphate monobasic (NaH ₂ PO ₄) anhydrous	139.0	59.0	0.42446044
Zinc sulfate (ZnSO ₄ ·7H ₂ O)	288.0	0.144	4.9999997E-4
Other Components			
D-Glucose (Dextrose)	180.0	1260.0	7.0
Hypoxanthine Na	131.0	4.0	0.030534351
Lipoic Acid	206.0	0.21	0.0010194174
Phenol Red	376.4	3.0	0.007970245
Putrescine 2HCl	161.0	0.32	0.0019875776
Sodium Pyruvate	110.0	220.0	2.0
Thymidine	242.0	0.7	0.002892562

Validation Data



上述实验结果为不同种类细胞，以相同起始密度接种于**Proteintech F-12K**培养基培养基及对照**F-12K**培养基配制成完全培养基中培养，培养后计数所得相对生长率。

For technical support and original validation data for this product please contact

T: 027-87531629 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.