

F-12 培养基(withL-glutamine)

产品编号: **PWL010** 规格: **500ml/500ml×10**

产品内容

| 产品组成 | PWL010-1 | PWL010-2 |
|---------------------------|----------|-----------|
| F-12 培养基(withL-glutamine) | 500 ml | 500 ml×10 |
| 说明书 | 1 份 | 1 份 |

产品简介

Ham's F-12培养基 (Ham's F-12 Nutrient Mixture) 是由Ham在1969年以Ham's F-10复合营养培养基为基础设计而成的, 最初用于CHO细胞的无血清培养。

Ham's F-12含有一些传统基础培养基没有的成分, 如腐胺、次黄嘌呤、胸苷、锌等, 常作为无血清培养的基础培养液, 在低血清含量下时, 特别适合单细胞培养和克隆化培养, 添加血清后也广泛应用于癌细胞和原代细胞的培养, 如大鼠肝细胞、大鼠前列腺上皮细胞、软骨细胞、大鼠成肌细胞、鸡胚胎细胞等。此外, Ham's F-12与DMEM等体积混合后, 得到的DMEM/F12培养基营养更为丰富, 使用更为广泛。

本产品含有: L-谷氨酰胺、酚红、丙酮酸钠 (110mg/L)。

不含有: HEPES。

储存与运输

储存条件: 2-8°C, 避光。

运输条件: 常温运输。

有效期: 自生产之日起12个月。



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Dalian Bergolin Biotechnology Co., Ltd

| Components | Molecular Weight | Concentration (mg/L) | mM |
|--|------------------|----------------------|--------------|
| Amino Acids | | | |
| Glycine | 75.0 | 7.5 | 0.1 |
| L-Alanine | 89.0 | 8.9 | 0.099999994 |
| L-Arginine hydrochloride | 211.0 | 211.0 | 1.0 |
| L-Asparagine•H ₂ O | 150.0 | 15.01 | 0.10006667 |
| L-Aspartic acid | 133.0 | 13.3 | 0.1 |
| L-Cysteine hydrochloride•H ₂ O | 176.0 | 35.12 | 0.19954544 |
| L-Glutamic Acid | 147.0 | 14.7 | 0.1 |
| L-Glutamine | 146.0 | 146.0 | 1.0 |
| L-Histidine hydrochloride•H ₂ O | 210.0 | 21.0 | 0.1 |
| L-Isoleucine | 131.0 | 4.0 | 0.030534351 |
| L-Leucine | 131.0 | 13.1 | 0.1 |
| L-Lysine hydrochloride | 183.0 | 36.5 | 0.19945355 |
| L-Methionine | 149.0 | 4.5 | 0.030201342 |
| L-Phenylalanine | 165.0 | 5.0 | 0.030303031 |
| L-Proline | 115.0 | 34.5 | 0.3 |
| L-Serine | 105.0 | 10.5 | 0.1 |
| L-Threonine | 119.0 | 11.9 | 0.099999994 |
| L-Tryptophan | 204.0 | 2.04 | 0.01 |
| L-Tyrosine disodium salt dihydrate | 262.0 | 7.81 | 0.02980916 |
| L-Valine | 117.0 | 11.7 | 0.1 |
| Vitamins | | | |
| Biotin | 244.0 | 0.0073 | 2.9918034E-5 |
| 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 | 0.036 | 2.9508196E-4 |
| Pyridoxine hydrochloride | 206.0 | 0.06 | 2.9126214E-4 |
| Riboflavin | 376.0 | 0.037 | 9.8404256E-5 |
| 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 Salts | | | |
| Calcium Chloride (CaCl ₂) (anhyd.) | 111.0 | 33.22 | 0.2992793 |
| Cupric sulfate (CuSO ₄ •5H ₂ O) | 250.0 | 0.0025 | 1.0E-5 |
| Ferric sulfate (FeSO ₄ •7H ₂ O) | 278.0 | 0.834 | 0.003 |
| Magnesium Chloride (anhydrous) | 95.0 | 57.22 | 0.6023158 |
| Potassium Chloride (KCl) | 75.0 | 223.6 | 2.9813335 |
| Sodium Bicarbonate (NaHCO ₃) | 84.0 | 1176 | 14 |
| Sodium Chloride (NaCl) | 58.0 | 7599.0 | 131.01724 |
| Sodium Phosphate dibasic (Na ₂ HPO ₄) anhydrous | 142.0 | 142.0 | 1.0 |
| Zinc sulfate (ZnSO ₄ •7H ₂ O) | 288.0 | 0.863 | 0.0029965276 |
| Other Components | | | |
| D-Glucose (Dextrose) | 180.0 | 1802.0 | 10.011111 |
| Hypoxanthine Na | 159.0 | 4.77 | 0.03 |
| Linoleic Acid | 280.0 | 0.084 | 2.9999999E-4 |
| Lipoic Acid | 206.0 | 0.21 | 0.0010194174 |
| Phenol Red | 376.4 | 1.2 | 0.0031880978 |
| Putrescine 2HCl | 161.0 | 0.161 | 0.001 |
| Sodium Pyruvate | 110.0 | 110.0 | 1.0 |
| Thymidine | 242.0 | 0.7 | 0.002892562 |

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