

MEMα nucleosides 培养基配方表

| 序号 | 物料名称 | 含量 (mg/L) | 含量 (g/L) | 含量 (g) (100L) | 含量 (g) (1900L) | 备注 |
|----|--|-----------|----------|---------------|----------------|----|
| 1 | Glycine (甘氨酸) | 50 | 0.05 | 5 | 95 | |
| 2 | L-Alanine (L-丙氨酸) | 25 | 0.025 | 2.5 | 47.5 | |
| 3 | L-Arginine hydrochloride (L-精氨酸盐酸盐) | 105 | 0.105 | 10.5 | 199.5 | |
| 4 | L-Asparagine-H2O (L-天冬酰胺一水合物) | 50 | 0.05 | 5 | 95 | |
| 5 | L-Aspartic acid (天冬氨酸) | 30 | 0.03 | 3 | 57 | |
| 6 | L-Cysteine hydrochloride-H2O (D-半胱氨酸盐酸盐单水合物) | 100 | 0.1 | 10 | 190 | |
| 7 | L-Cystine 2HCl (L-胱氨酸二盐酸盐) | 31 | 0.031 | 3.1 | 58.9 | |
| 8 | L-Glutamic Acid (谷氨酸) | 75 | 0.075 | 7.5 | 142.5 | |
| 9 | L-Glutamine (L-谷氨酰胺) | 292 | 0.292 | 29.2 | 554.8 | |
| 10 | L-Histidine (L-组氨酸) | 31 | 0.031 | 3.1 | 58.9 | |
| 11 | L-Isoleucine (L-异亮氨酸) | 52.4 | 0.0524 | 5.24 | 99.56 | |
| 12 | L-Leucine (L-亮氨酸) | 52 | 0.052 | 5.2 | 98.8 | |
| 13 | L-Lysine (L-赖氨酸) | 73 | 0.073 | 7.3 | 138.7 | |
| 14 | L-Methionine (甲硫氨酸) | 15 | 0.015 | 1.5 | 28.5 | |
| 15 | L-Phenylalanine (L-苯丙氨酸) | 32 | 0.032 | 3.2 | 60.8 | |
| 16 | L-Proline (L-脯氨酸) | 40 | 0.04 | 4 | 76 | |
| 17 | L-Serine (L-丝氨酸) | 25 | 0.025 | 2.5 | 47.5 | |
| 18 | L-Threonine (L-苏氨酸) | 48 | 0.048 | 4.8 | 91.2 | |
| 19 | L-Tryptophan (L-色氨酸) | 10 | 0.01 | 1 | 19 | |
| 20 | L-Tyrosine disodium salt (L-酪氨酸二钠盐) | 52 | 0.052 | 5.2 | 98.8 | |
| 21 | L-Valine (L-缬氨酸) | 46 | 0.046 | 4.6 | 87.4 | |
| 22 | Ascorbic Acid (维生素C) | 50 | 0.05 | 5 | 95 | |
| 23 | Biotin (生物素) | 0.1 | 0.0001 | 0.01 | 0.19 | |
| 24 | Choline chloride (氯化胆碱) | 1 | 0.001 | 0.1 | 1.9 | |
| 25 | D-Calcium pantothenate (泛酸钙) | 1 | 0.001 | 0.1 | 1.9 | |
| 26 | Folic Acid (叶酸) | 1 | 0.001 | 0.1 | 1.9 | |

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|----|---|-------|---------|-------|---------|
| 27 | Niacinamide (烟酰胺) | 1 | 0.001 | 0.1 | 1.9 |
| 28 | Pyridoxal hydrochloride (吡哆醇盐酸盐) | 1 | 0.001 | 0.1 | 1.9 |
| 29 | Riboflavin (核黄素) | 0.1 | 0.0001 | 0.01 | 0.19 |
| 30 | Thiamine hydrochloride (盐酸硫胺) | 1 | 0.001 | 0.1 | 1.9 |
| 31 | Vitamin B12 (维生素B12) | 1.36 | 0.00136 | 0.136 | 2.584 |
| 32 | i-Inositol (肌醇) | 2 | 0.002 | 0.2 | 3.8 |
| 33 | Calcium Chloride (CaCl ₂) (anhyd.) (无水氯化钙) | 200 | 0.2 | 20 | 380 |
| 34 | Magnesium Sulfate (MgSO ₄) (anhyd.) (硫酸镁) | 97.67 | 0.09767 | 9.767 | 185.573 |
| 35 | Potassium Chloride (KCl) (氯化钾) | 400 | 0.4 | 40 | 760 |
| 36 | Sodium Chloride (NaCl) (氯化钠) | 6800 | 6.8 | 680 | 12920 |
| 37 | Sodium Phosphate monobasic (NaH ₂ PO ₄ -H ₂ O) (磷酸二氢钠) | 140 | 0.14 | 14 | 266 |
| 38 | Adenosine (腺苷) | 10 | 0.01 | 1 | 19 |
| 39 | Cytidine (胞苷) | 10 | 0.01 | 1 | 19 |
| 40 | Guanosine (鸟苷) | 10 | 0.01 | 1 | 19 |
| 41 | Uridine (尿苷) | 10 | 0.01 | 1 | 19 |
| 42 | 2'Deoxyadenosine (2'-脱氧腺苷) | 10 | 0.01 | 1 | 19 |
| 43 | 2'Deoxyctidine HCl (2'-脱氧胞苷盐酸盐) | 11 | 0.011 | 1.1 | 20.9 |
| 44 | 2'Deoxyguanosine (2'-脱氧鸟苷) | 10 | 0.01 | 1 | 19 |
| 45 | Thymidine (胸苷) | 10 | 0.01 | 1 | 19 |
| 46 | D-Glucose (Dextrose) (D-无水葡萄糖) | 1000 | 1 | 100 | 1900 |
| 47 | Lipoic Acid (硫辛酸) | 0.2 | 0.0002 | 0.02 | 0.38 |
| 48 | Phenol Red (酚红) | 10 | 0.01 | 1 | 19 |
| 49 | Sodium Pyruvate (丙酮酸钠) | 110 | 0.11 | 11 | 209 |
| 50 | NaHCO ₃ (碳酸氢钠) | 2200 | 2.2 | 220 | 3520 |

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