

HAKATA MEM 培养基配方表

(含 L-谷氨酰胺)

| Components | | Concentration (mg/L) mM | |
|---|------------------------|----------------------------|-------------|
| Amino Acids | | 中文名称 | |
| L-Arginine hydrochloride | L-精氨酸盐酸盐 | 126 | 0.5971564 |
| L-Cystine 2HCl | L-胱氨酸二盐酸盐 | 31 | 0.09904154 |
| L-Glutamine | L-谷氨酰胺 | 292 | 2 |
| L-Histidine hydrochloride-H2O | L-组氨酸盐酸盐一水合物 | 42 | 0.2 |
| L-Isoleucine | L-异亮氨酸 | 52 | 0.39694658 |
| L-Leucine | L-亮氨酸 | 52 | 0.39694658 |
| L-Lysine hydrochloride | L-赖氨酸盐酸盐 | 73 | 0.3989071 |
| L-Methionine | L-蛋氨酸 | 15 | 0.10067114 |
| L-Phenylalanine | L-苯丙氨酸 | 32 | 0.19393939 |
| L-Threonine | L-苏氨酸 | 48 | 0.40336135 |
| L-Tryptophan | L-色氨酸 | 10 | 0.04901961 |
| L-Tyrosine disodium salt dihydrate | L-酪氨酸二钠盐二水合物 | 52 | 0.19923371 |
| L-Valine | L-缬氨酸 | 46 | 0.3931624 |
| Vitamins | | | |
| Choline chloride | 氯化胆碱 | 1 | 0.007142857 |
| D-Calcium pantothenate | D-泛酸钙 | 1 | 0.002096436 |
| Folic Acid | 叶酸 | 1 | 0.002267574 |
| Niacinamide | 尼克酰胺 | 1 | 0.008196721 |
| Pyridoxal hydrochloride | 盐酸吡哆醇 | 1 | 0.004901961 |
| Riboflavin | 核黄素 | 0.1 | 0.000265957 |
| Thiamine hydrochloride | 盐酸硫胺素 | 1 | 0.002967359 |
| i-Inositol | 肌醇 | 2 | 0.011111111 |
| Inorganic Salts | | | |
| Calcium Chloride (CaCl ₂) (anhyd.) | CaCl ₂ (无水) | 200 | 1.8018018 |
| Magnesium Sulfate (MgSO ₄) (anhyd.) | MgSO ₄ (无水) | 97.67 | 0.8139166 |
| Potassium Chloride (KCl) | KCl | 400 | 5.3333335 |

| | | | |
|---|---------------------------------------|------|-------------|
| Sodium Bicarbonate (NaHCO ₃) | NaHCO ₃ | 2200 | 26.190475 |
| Sodium Chloride (NaCl) | NaHCO ₃ | 6800 | 117.24138 |
| Sodium Phosphate monobasic (NaH ₂ PO ₄ -H ₂ O) | NaH ₂ PO ₄ (一水) | 140 | 1.0144928 |
| Other Components | | | |
| D-Glucose (Dextrose) | D-葡萄糖 | 1000 | 5.5555553 |
| Phenol Red | 酚红 | 10 | 0.026567481 |