

培养基配方表 (Media Formulation)

名称: 神经元细胞基础培养基 (含 L-谷氨酰胺, 不含酚红)

货号: IMC-214

| 组分 (Components) | 分子量 (MW) | 浓度 (mg/L) | 摩尔浓度 (mM) |
|---------------------------------------|----------|-----------|------------|
| 氨基酸 (AminoAcids) | | | |
| Glycine | 75.07 | 30 | 0.399627 |
| L-Alanine | 89.09 | 2 | 0.0224492 |
| L-Arginine hydrochloride | 210.66 | 84 | 0.3987468 |
| L-Asparagine monohydrate | 150.13 | 0.83 | 0.0055285 |
| L-Cysteine hydrochloride monohydrate | 175.63 | 45.7 | 0.2602061 |
| L-Histidine monohydrochloride hydrate | 209.63 | 42 | 0.200353 |
| L-Isoleucine | 131.17 | 105 | 0.8004879 |
| L-Leucine | 131.17 | 105 | 0.8004879 |
| L-Lysine hydrochloride | 182.65 | 146 | 0.799343 |
| L-Methionine | 149.21 | 30 | 0.2010589 |
| L-Serine | 105.09 | 42 | 0.3996574 |
| L-Phenylalanine | 165.19 | 66 | 0.3995399 |
| L-Proline | 115.13 | 7.76 | 0.0674021 |
| L-Threonine | 119.12 | 95 | 0.7975151 |
| L-Tryptophan | 204.23 | 16 | 0.078343 |
| L-Tyrosine disodium salt dihydrate | 261.18 | 104 | 0.3981928 |
| L-Valine | 117.15 | 94 | 0.8023901 |
| L-Glutamine | 146.15 | 7.3 | 0.4994868 |
| 维生素 (Vitamins) | | | |
| Choline chloride | 139.62 | 4 | 0.0286492 |
| D-Calcium pantothenate | 238.27 | 4 | 0.0167877 |
| Folic Acid | 441.4 | 4 | 0.0090621 |
| Niacinamide | 122.12 | 4 | 0.0327547 |
| Pyridoxine hydrochloride | 205.64 | 4 | 0.0194515 |
| Riboflavin | 376.36 | 0.4 | 0.0010628 |
| Thiamine hydrochloride | 337.27 | 4 | 0.0118599 |
| Vitamin B12 | 1355.37 | 0.0068 | 0.000005 |
| i-Inositol | 180.16 | 7.2 | 0.0399645 |
| 无机盐 (InorganicSalts) | | | |
| Calcium Chloride | 110.98 | 200 | 1.8021265 |
| Ferric Nitrate nonahydrate | 404 | 0.1 | 0.0002475 |
| Magnesium Chloride hexahydrate | 203.3 | 165 | 0.8116085 |
| Potassium Chloride | 74.55 | 400 | 5.3655265 |
| Sodium Bicarbonate | 84.01 | 2200 | 26.1873586 |



| | | | |
|------------------------------------|--------|-------|------------|
| Sodium Chloride | 58.44 | 3000 | 51.3347023 |
| Sodium Phosphate monobasic hydrate | 137.99 | 125 | 0.9058627 |
| Zinc Sulfate heptahydrate | 287.56 | 0.194 | 0.0006746 |
| 其他组分 (OtherComponents) | | | |
| D-(+)-Glucose | 180.16 | 4500 | 24.9777975 |
| HEPES | 238.3 | 2600 | 10.9106169 |
| Sodium Pyruvate | 110.04 | 25 | 0.2271901 |

厦门逸漠生物

