

## 培养基配方表 (Media Formulation)

名称: 高糖 DMEM 培养基 含酚红、L-谷氨酰胺和丙酮酸钠, 不含 HEPES

货号: L110KJ

| 组分 (Components)                       | 分子量 (MW) | 浓度 (mg/L) | 摩尔浓度 (mM)   |
|---------------------------------------|----------|-----------|-------------|
| <b>氨基酸 (Amino Acids)</b>              |          |           |             |
| Glycine                               | 75.07    | 30        | 0.4         |
| L-Arginine hydrochloride              | 210.7    | 84        | 0.4         |
| L-Cystine dihydrochloride             | 313.2    | 63        | 0.2         |
| L-Glutamine                           | 146.1    | 584       | 4           |
| L-Histidine monohydrochloride hydrate | 209.6    | 42        | 0.2         |
| L-Isoleucine                          | 131.2    | 105       | 0.8         |
| L-Leucine                             | 131.2    | 105       | 0.8         |
| L-Lysine hydrochloride                | 182.7    | 146       | 0.8         |
| L-Methionine                          | 149.2    | 30        | 0.2         |
| L-Phenylalanine                       | 165.2    | 66        | 0.4         |
| L-Serine                              | 105.1    | 42        | 0.4         |
| L-Threonine                           | 119.1    | 95        | 0.8         |
| L-Tryptophan                          | 204.2    | 16        | 0.078343    |
| L-Tyrosine disodium salt dihydrate    | 261.2    | 104       | 0.4         |
| L-Valine                              | 117.2    | 94        | 0.8         |
| <b>无机盐 (Inorganic Salts)</b>          |          |           |             |
| Calcium Chloride                      | 111      | 200       | 1.8021265   |
| Ferric Nitrate nonahydrate            | 404      | 0.1       | 0.0002475   |
| Magnesium Sulfate                     | 120.4    | 97.67     | 0.8114148   |
| Potassium Chloride                    | 74.55    | 400       | 5.3655265   |
| Sodium Bicarbonate                    | 84.01    | 3700      | 44.0423759  |
| Sodium Chloride                       | 58.44    | 6400      | 109.5140315 |
| Sodium Phosphate monobasic hydrate    | 138      | 125       | 0.9058627   |
| <b>维生素 (Vitamins)</b>                 |          |           |             |
| Choline chloride                      | 139.6    | 4         | 0.0286492   |
| D-Calcium pantothenate                | 238.3    | 4         | 0.0167877   |
| Folic Acid                            | 441.4    | 4         | 0.0090621   |
| i-Inositol                            | 180.2    | 7.2       | 0.04        |
| Niacinamide                           | 122.1    | 4         | 0.0327547   |
| Pyridoxine hydrochloride              | 205.6    | 4         | 0.0194515   |
| Riboflavin                            | 376.4    | 0.4       | 0.0010628   |
| Thiamine hydrochloride                | 337.3    | 4         | 0.0118599   |
| <b>其他组分 (Other Components)</b>        |          |           |             |
| D-(+)-Glucose                         | 180.2    | 4500      | 25          |
| Phenol Red                            | 376.4    | 15        | 0.0398512   |
| Sodium Pyruvate                       | 110      | 110       | 1           |