

## DMEM/F-12 液体培养基配方表

| Components   | Concentration (mg/L) |
|--|----------------------|
| <b>Amino Acids</b>   |                      |
| Glycine  | 18.75                |
| L-Alanine  | 4.45                 |
| L-Arginine hydrochloride   | 147.5                |
| L-Asparagine-H <sub>2</sub> O  | 7.5                  |
| L-Aspartic acid  | 6.65                 |
| L-Cysteine hydrochloride-H <sub>2</sub> O                            | 17.56                |
| L-Cystine 2HCl   | 31.29                |
| L-Glutamic Acid  | 7.35                 |
| L-Glutamine  | 365                  |
| L-Histidine hydrochloride-H <sub>2</sub> O                           | 31.48                |
| L-Isoleucine   | 54.47                |
| L-Leucine  | 59.05                |
| L-Lysine hydrochloride   | 91.25                |
| L-Methionine   | 17.24                |
| L-Phenylalanine  | 35.48                |
| L-Proline  | 17.25                |
| L-Serine   | 26.25                |
| L-Threonine  | 53.45                |
| L-Tryptophan   | 9.02                 |
| L-Tyrosine disodium salt dihydrate                                   | 55.79                |
| L-Valine   | 52.85                |
| <b>Vitamins</b>  |                      |
| Biotin   | 0.0035               |
| Choline chloride   | 8.98                 |
| D-Calcium pantothenate   | 2.24                 |
| Folic Acid   | 2.65                 |
| Niacinamide  | 2.02                 |
| Pyridoxine hydrochloride   | 2                    |
| Riboflavin   | 0.219                |
| Thiamine hydrochloride   | 2.17                 |
| Vitamin B12  | 0.68                 |
| i-Inositol   | 12.6                 |
| <b>Inorganic Salts</b>   |                      |
| Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)                       | 116.6                |
| Cupric sulfate (CuSO <sub>4</sub> 5H <sub>2</sub> O)                 | 0.0013               |
| Ferric Nitrate (Fe(NO <sub>3</sub> ) <sub>3</sub> 9H <sub>2</sub> O) | 0.05                 |

|   |        |
|---|--------|
| Ferrous Sulfate (FeSO <sub>4</sub> 7H <sub>2</sub> O)                             | 0.417  |
| Magnesium Chloride (anhydrous)  | 28.64  |
| Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)                                   | 48.84  |
| Potassium Chloride (KCl)  | 311.8  |
| Sodium Bicarbonate (NaHCO <sub>3</sub> )  | 2438   |
| Sodium Chloride (NaCl)  | 6995.5 |
| Sodium Phosphate dibasic<br>(Na <sub>2</sub> HPO <sub>4</sub> ) anhydrous         | 71.02  |
| Sodium Phosphate monobasic<br>(NaH <sub>2</sub> PO <sub>4</sub> H <sub>2</sub> O) | 62.5   |
| Zinc sulfate (ZnSO <sub>4</sub> 7H <sub>2</sub> O)                                | 0.432  |
| <b>Other Components</b>   |        |
| D-Glucose (Dextrose)  | 3151   |
| Hypoxanthine  | 2.05   |
| Linoleic Acid   | 0.042  |
| Lipoic Acid   | 0.105  |
| Phenol Red  | 8.1    |
| Putrescine 2HCl   | 0.081  |
| Sodium Pyruvate   | 55     |