

M199 培养基配方表

| Components | Concentration (mg/L) |
|--|----------------------|
| Amino Acids | |
| Glycine | 50 |
| L-Alanine | 25 |
| L-Arginine hydrochloride | 70 |
| L-Aspartic acid | 30 |
| L-Cysteine hydrochloride-H ₂ O | 0.1 |
| L-Cystine 2HCl | 26 |
| L-Glutamic Acid | 75 |
| L-Glutamine | 100 |
| L-Histidine hydrochloride-H ₂ O | 21.88 |
| L-Hydroxyproline | 10 |
| L-Isoleucine | 40 |
| L-Leucine | 60 |
| L-Lysine hydrochloride | 70 |
| L-Methionine | 15 |
| L-Phenylalanine | 25 |
| L-Proline | 40 |
| L-Serine | 25 |
| L-Threonine | 30 |
| L-Tryptophan | 10 |
| L-Tyrosine disodium salt dihydrate | 58 |
| L-Valine | 25 |
| Vitamins | |
| Ascorbic Acid | 0.05 |
| Biotin | 0.01 |
| Choline chloride | 0.5 |
| D-Calcium pantothenate | 0.01 |
| Folic Acid | 0.01 |
| Menadione (Vitamin K3) | 0.01 |
| Niacinamide | 0.025 |
| Nicotinic acid (Niacin) | 0.025 |
| Para-Aminobenzoic Acid | 0.05 |
| Pyridoxal hydrochloride | 0.025 |
| Pyridoxine hydrochloride | 0.025 |
| Riboflavin | 0.01 |
| Thiamine hydrochloride | 0.01 |
| Vitamin A (acetate) | 0.1 |

| | |
|--|-------------|
| Vitamin D2 (Calciferol) | 0.1 |
| D-alpha-Tocopheryl acetate | 0.008522445 |
| i-Inositol | 0.05 |
| Inorganic Salts | |
| Calcium Chloride (CaCl ₂) (anhyd.) | 200 |
| Ferric nitrate (Fe(NO ₃)-9H ₂ O) | 0.7 |
| Magnesium Sulfate (MgSO ₄) (anhyd.) | 97.67 |
| Potassium Chloride (KCl) | 400 |
| Sodium Chloride (NaCl) | 6100 |
| Sodium Phosphate monobasic (NaH ₂ PO ₄) anhydrous | 140 |
| Other Components | |
| 2-deoxy-D-ribose | 0.5 |
| Adenine sulfate | 10 |
| Adenosine 5'-phosphate | 0.2 |
| Adenosine 5'-triphosphate | 1 |
| Cholesterol | 0.2 |
| D-Glucose (Dextrose) | 1000 |
| Glutathione (reduced) | 0.05 |
| Guanine hydrochloride | 0.3 |
| Hypoxanthine | 0.342415094 |
| Phenol Red | 20 |
| Ribose | 0.5 |
| Sodium Acetate | 50 |
| Thymine | 0.3 |
| Uracil | 0.3 |
| Xanthine | 0.34 |