

MEM α nucleosides Medium Formula

| Components | Concentration (mg/L) |
|---|----------------------|
| Amino Acids | |
| Glycine | 50 |
| L-Alanine | 25 |
| L-Arginine hydrochloride | 105 |
| L-Asparagine-H ₂ O | 50 |
| L-Aspartic acid | 30 |
| L-Cysteine hydrochloride-H ₂ O | 100 |
| L-Cystine 2HCl | 31 |
| L-Glutamic Acid | 75 |
| L-Glutamine | 292 |
| L-Histidine | 31 |
| L-Isoleucine | 52.4 |
| L-Leucine | 52 |
| L-Lysine | 73 |
| L-Methionine | 15 |
| L-Phenylalanine | 32 |
| L-Proline | 40 |
| L-Serine | 25 |
| L-Threonine | 48 |
| L-Tryptophan | 10 |
| L-Tyrosine disodium salt | 52 |
| L-Valine | 46 |
| Vitamins | |
| Ascorbic Acid | 50 |
| Biotin | 0.1 |
| Choline chloride | 1 |
| D-Calcium pantothenate | 1 |
| Folic Acid | 1 |
| Niacinamide | 1 |
| Pyridoxal hydrochloride | 1 |
| Riboflavin | 0.1 |
| Thiamine hydrochloride | 1 |
| Vitamin B12 | 1.36 |
| i-Inositol | 2 |
| Inorganic Salts | |
| Calcium Chloride (CaCl ₂) (anhyd.) | 200 |
| Magnesium Sulfate (MgSO ₄) (anhyd.) | 97.67 |

| | |
|--|------|
| Potassium Chloride (KCl) | 400 |
| Sodium Chloride (NaCl) | 6800 |
| Sodium Phosphate monobasic (NaH ₂ PO ₄ -H ₂ O) | 140 |
| Ribonucleosides | |
| Adenosine | 10 |
| Cytidine | 10 |
| Guanosine | 10 |
| Uridine | 10 |
| Deoxyribonucleosides | |
| 2'Deoxyadenosine | 10 |
| 2'Deoxycytidine HCl | 11 |
| 2'Deoxyguanosine | 10 |
| Thymidine | 10 |
| Other Components | |
| D-Glucose (Dextrose) | 1000 |
| Lipoic Acid | 0.2 |
| Phenol Red | 10 |
| Sodium Pyruvate | 110 |