



DMEM/F12, w 15mM HEPES, phenol red

Cat No. BR-E51-2

| INGRIDIENT   | mg / L |
|--|--------|
| <b>AMINO ACID</b>  |        |
| L-Alanine  | 4.45   |
| L-Arginine • HCl   | 147.5  |
| L-Asparagine • H <sub>2</sub> O  | 7.5    |
| L-Aspartic Acid  | 6.65   |
| L-Cysteine • HCl • H <sub>2</sub> O  | 17.56  |
| L-Cystine • 2HCl   | 31.29  |
| Glycine  | 18.75  |
| L-Glutamic Acid  | 7.35   |
| L-Glutamine  | 365    |
| L-Histidine • HCl • H <sub>2</sub> O   | 31.48  |
| L-Isoleucine   | 54.47  |
| L-Leucine  | 59.05  |
| L-Lysine • HCl   | 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 • 2Na • 2H <sub>2</sub> O   | 55.79  |
| L-Valine   | 52.85  |
| <b>VITAMINS</b>  |        |
| Biotin   | 0.0035 |
| Choline Chloride   | 8.98   |
| D-Ca Pantothenate (D-Pantothenate Acid Calcium Salt)                                       | 2.24   |
| Folic Acid   | 2.65   |
| Niacinamide  | 2.02   |
| Pyridoxine • HCl   | 2.031  |
| Riboflavin   | 0.219  |
| Thiamine • HCl   | 2.17   |
| Vitamin B12  | 0.68   |
| i-Inositol   | 12.6   |
| <b>INORGANIC SALTS</b>   |        |
| Calcium Chloride (CaCl <sub>2</sub> )  | 116    |
| Cupric sulfate • 5H <sub>2</sub> O (CuSO <sub>4</sub> • 5H <sub>2</sub> O)                 | 0.0013 |
| Ferric Nitrate • 9H <sub>2</sub> O (Fe(NO <sub>3</sub> ) <sub>3</sub> • 9H <sub>2</sub> O) | 0.05   |
| Ferric sulfate • 7H <sub>2</sub> O (FeSO <sub>4</sub> • 7H <sub>2</sub> O)                 | 0.417  |
| Magnesium Chloride (MgCl <sub>2</sub> )  | 28.64  |
| Magnesium Sulfate (MgSO <sub>4</sub> )   | 48.84  |
| Potassium Chloride (KCl)   | 311.8  |
| Sodium Chloride (NaCl)   | 6996   |
| Sodium Phosphate Dibasic (Na <sub>2</sub> HPO <sub>4</sub> )                               | 71.02  |
| Sodium phosphate monobasic dihydrate (NaH <sub>2</sub> PO <sub>4</sub> • H <sub>2</sub> O) | 62.5   |
| Zinc sulfate heptahydrate (ZnSO <sub>4</sub> • 7H <sub>2</sub> O)                          | 0.432  |
| Sodium Bicarbonate (NaHCO <sub>3</sub> )   | 1200   |
| <b>OTHER COMPONENTS</b>  |        |
| D-Glucose  | 3151   |
| HEPES  | 3574.5 |
| Hypoxanthine • Na  | 2.39   |
| Linoleic Acid  | 0.042  |
| Lipoic Acid  | 0.105  |
| Phenol Red   | 8.1    |
| Sodium Putrescine • 2HCl   | 0.081  |
| Sodium Pyruvate  | 55     |
| Thymidine  | 0.365  |