

## Composition

**P04-03590      DMEM with 4.5 g/L Glucose**  
**w: L-Glutamine**  
**w: Sodium pyruvate**  
**w: 3.7 g/L NaHCO<sub>3</sub>**

|                  | Components                             | mg/L     |
|------------------|--|----------|
| Inorganic Salts  | Calcium chloride anhydrous             | 200.00   |
|                  | Iron (III) nitrate x 9H <sub>2</sub> O | 0.10     |
|                  | Magnesium sulfate anhydrous            | 97.66    |
|                  | Potassium chloride                     | 400.00   |
|                  | Sodium chloride                        | 6,400.00 |
|                  | Sodium dihydrogen phosphate anhydrous  | 108.69   |
| Other Components | D(+)-Glucose anhydrous                 | 4,500.00 |
|                  | Sodium pyruvate                        | 110.00   |
|                  | Phenol red                             | 15.00    |
| Amino acids      | L-Arginine x HCl                       | 84.00    |
|                  | L-Cystine x 2HCl                       | 62.58    |
|                  | L-Glutamine                            | 584.00   |
|                  | Glycine                                | 30.00    |
|                  | L-Histidine x HCl x H <sub>2</sub> O   | 42.00    |
|                  | L-Isoleucine                           | 104.80   |
|                  | L-Leucine                              | 104.80   |
|                  | L-Lysine x HCl                         | 146.20   |
|                  | L-Methionine                           | 30.00    |
|                  | L-Phenylalanine                        | 66.00    |
|                  | L-Serine                               | 42.00    |

|          |                        |          |
|----------|------------------------|----------|
|          | L-Threonine            | 95.20    |
|          | L-Tryptophan           | 16.00    |
|          | L-Tyrosine x Na        | 103.79   |
|          | L-Valine               | 93.60    |
| Vitamins | D-Calcium pantothenate | 4.00     |
|          | Choline chloride       | 4.00     |
|          | Folic acid             | 4.00     |
|          | myo-Inositol           | 7.00     |
|          | Nicotinamide           | 4.00     |
|          | Pyridoxine x HCl       | 4.00     |
|          | Riboflavin             | 0.40     |
|          | Thiamine x HCl         | 4.00     |
|          | NaHCO <sub>3</sub>     | 3,700.00 |