

**DMEM (High Glucose) Medium Ingredient Formula Table**

| Ingredient(mg/L) / Cat. No.                          | PM150221 |
|------------------------------------------------------|----------|
| CaCl <sub>2</sub> (Anhydrous)                        | 400      |
| Fe(NO <sub>3</sub> ) <sub>3</sub> •9H <sub>2</sub> O | 0.2      |
| MgSO <sub>4</sub> (Anhydrous)                        | 195.34   |
| KCl                                                  | 800      |
| NaHCO <sub>3</sub>                                   | 7400     |
| NaCl                                                 | 12800    |
| NaH <sub>2</sub> PO <sub>4</sub> (Anhydrous)         | 218      |
| L-Alanyl-L-Glutamine                                 | –        |
| Glycine                                              | 60       |
| L-Arginine Hydrochloride                             | 168      |
| L-Cystine Dihydrochloride                            | 125.2    |
| L-Glutamine                                          | 1168     |
| L-Histidine Hydrochloride                            | 84       |
| L-Isoleucine                                         | 210      |
| L-Leucine                                            | 210      |
| L-Lysine Hydrochloride                               | 292      |
| L-Methionine                                         | 60       |
| L-Phenylalanine                                      | 132      |
| L-Serine                                             | 84       |
| L-Threonine                                          | 190      |
| L-Tryptophan                                         | 32       |
| L-Tyrosine Disodium Salt dihydrate                   | 207.58   |
| L-Valine                                             | 188      |
| Choline Chloride                                     | 8        |
| D-Calcium Pantothenate                               | 8        |
| Folic Acid                                           | 8        |
| Niacinamide                                          | 8        |
| Pyridoxine Hydrochloride                             | 8        |
| Riboflavin                                           | 0.8      |
| Thiamine Hydrochlorid                                | 8        |
| Meso-inositol                                        | 14.4     |
| D-Glucose                                            | 9000     |
| Sodium Pyruvate                                      | 220      |
| HEPES                                                | –        |
| Phenol Red                                           | 30       |
| Penicillin G Sodium Salt                             | –        |
| Streptomycin Sulfate                                 | –        |