

## DMEM High Glucose - Formulation

|                        | DMEM High Glucose                         | L0100-500<br>Liquid<br>mg/l | L0101-500<br>Liquid<br>mg/l | L0102-500<br>Liquid<br>mg/l | L0103-500<br>Liquid<br>mg/l | L0104-500<br>Liquid<br>mg/l | L0106-500<br>Liquid<br>mg/l | L0107-500<br>Liquid<br>mg/l | P0102-NIL<br>Powder<br>mg/l | P0103-NIL<br>Powder<br>mg/l |
|------------------------|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Amino Acids            | Glycine                                   | 30                          | 30                          | 30                          | 30                          | 30                          | 30                          | 30                          | 30                          | 30                          |
|                        | L-Alanyl-L-Glutamine (Glutamine Stable)   | /                           | /                           | /                           | 862                         | /                           | /                           | 862                         | /                           | /                           |
|                        | L-Arginine Monohydrochloride              | 84                          | 84                          | 84                          | 84                          | 84                          | 84                          | 84                          | 84                          | 84                          |
|                        | L-Cystine Dihydrochloride                 | 62,6                        | 62,6                        | 62,6                        | 62,6                        | 62,6                        | 62,6                        | 62,6                        | 62,6                        | 62,6                        |
|                        | L-Glutamine                               | /                           | /                           | 584                         | /                           | 584                         | /                           | /                           | 584                         | 584                         |
|                        | L-Histidine Monohydrochloride Monohydrate | 42                          | 42                          | 42                          | 42                          | 42                          | 42                          | 42                          | 42                          | 42                          |
|                        | L-Isoleucine                              | 105                         | 105                         | 105                         | 105                         | 105                         | 105                         | 105                         | 105                         | 105                         |
|                        | L-Leucine                                 | 105                         | 105                         | 105                         | 105                         | 105                         | 105                         | 105                         | 105                         | 105                         |
|                        | L-Lysine Monohydrochloride                | 146                         | 146                         | 146                         | 146                         | 146                         | 146                         | 146                         | 146                         | 146                         |
|                        | L-Methionine                              | 30                          | 30                          | 30                          | 30                          | 30                          | 30                          | 30                          | 30                          | 30                          |
|                        | L-Phenylalanine                           | 66                          | 66                          | 66                          | 66                          | 66                          | 66                          | 66                          | 66                          | 66                          |
|                        | L-Serine                                  | 42                          | 42                          | 42                          | 42                          | 42                          | 42                          | 42                          | 42                          | 42                          |
|                        | L-Threonine                               | 95                          | 95                          | 95                          | 95                          | 95                          | 95                          | 95                          | 95                          | 95                          |
|                        | L-Tryptophan                              | 16                          | 16                          | 16                          | 16                          | 16                          | 16                          | 16                          | 16                          | 16                          |
|                        | L-Tyrosine Disodium Salt Dihydrate        | 103,79                      | 103,79                      | 103,79                      | 103,79                      | 103,79                      | 103,79                      | 103,79                      | 103,79                      | 103,79                      |
| L-Valine               | 94  | 94                          | 94                          | 94                          | 94                          | 94                          | 94                          | 94                          | 94                          |                             |
| Inorganic Salts        | Calcium Chloride Dihydrate                | 265                         | 265                         | 265                         | 265                         | 265                         | 265                         | 265                         | 265                         | 265                         |
|                        | Ferric Nitrate Nonahydrate                | 0,1                         | 0,1                         | 0,1                         | 0,1                         | 0,1                         | 0,1                         | 0,1                         | 0,1                         | 0,1                         |
|                        | Magnesium Sulfate Anhydrous               | 97,67                       | 97,67                       | 97,67                       | 97,67                       | 97,67                       | 97,67                       | 97,67                       | 97,67                       | 97,67                       |
|                        | Potassium chloride                        | 400                         | 400                         | 400                         | 400                         | 400                         | 400                         | 400                         | 400                         | 400                         |
|                        | Sodium Bicarbonate                        | 3700                        | 3700                        | 3700                        | 3700                        | 3700                        | 3700                        | 3700                        | /                           | /                           |
|                        | Sodium Chloride                           | 6400                        | 6400                        | 6400                        | 6400                        | 6400                        | 6400                        | 6400                        | 6400                        | 6400                        |
|                        | Sodium Phosphate Monobasic Anhydrous      | 109                         | 109                         | 109                         | 109                         | 109                         | 109                         | 109                         | 109                         | 109                         |
| Vitamins               | Choline Chloride                          | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           |
|                        | D-Ca Pantothenate                         | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           |
|                        | Folic Acid                                | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           |
|                        | Myo-Inositol                              | 7,2                         | 7,2                         | 7,2                         | 7,2                         | 7,2                         | 7,2                         | 7,2                         | 7,2                         | 7,2                         |
|                        | Nicotinamide                              | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           |
|                        | Pyridoxal Hydrochloride                   | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           |
|                        | Riboflavine                               | 0,4                         | 0,4                         | 0,4                         | 0,4                         | 0,4                         | 0,4                         | 0,4                         | 0,4                         | 0,4                         |
| Thiamine Hydrochloride | 4   | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           | 4                           |                             |
| O.C.*                  | D-Glucose Anhydrous                       | 4500                        | 4500                        | 4500                        | 4500                        | 4500                        | 4500                        | 4500                        | 4500                        | 4500                        |
|                        | Hepes Free Acid                           | 5958                        | /                           | /                           | /                           | /                           | /                           | 5958                        | /                           | /                           |
|                        | Phenol Red Solution Salt                  | 15,9                        | 15,9                        | 15,9                        | 15,9                        | 15,9                        | 15,9                        | 15,9                        | 15,9                        | 15,9                        |
|                        | Sodium Pyruvate                           | /                           | /                           | /                           | 110                         | 110                         | 110                         | /                           | 110                         | /                           |

\* Other components