

IMDM Medium Ingredient Formula

| Ingredient(mg/L) / Cat. No. | PM150510 | PM15010A | PM150511 | PM150512 | PM150513 | PM150514 | PM150515 |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | |
| CaCl2 (Anhydrous) | 165.3 | 165.3 | 165.3 | 165.3 | 165.3 | 165.3 | 165.3 |
| MgSO4 (Anhydrous) | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 |
| KCl | 330 | 330 | 330 | 330 | 330 | 330 | 330 |
| KNO3 | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 | 0.076 |
| NaHCO3 | 3024 | 3024 | 3024 | 3024 | 3024 | 3024 | 3024 |
| NaCl | 4505 | 4505 | 4505 | 4505 | 4505 | 4505 | 4505 |
| NaH2PO4 (Anhydrous) | 109 | 109 | 109 | 109 | 109 | 109 | 109 |
| Na2SeO3•5H2O | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 | 0.017 |
| Amino Acid | | | | | | | |
| L-Alanyl-L-Glutamine | – | – | – | 869 | – | – | 869 |
| L-Arginine Hydrochloride | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| L-Cystine Dihydrochloride | 91.24 | 91.24 | 91.24 | 91.24 | 91.24 | 91.24 | 91.24 |
| L-Glutamine | 584 | 584 | – | – | 584 | – | – |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| L-Leucine | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| L-Lysine Hydrochloride | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| L-Methionine | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| L-Phenylalanine | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| L-Threonine | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| L-Tryptophan | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| L-Tyrosine Disodium Salt | 103.79 | 103.79 | 103.79 | 103.79 | 103.79 | 103.79 | 103.79 |
| L-Valine | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| Glycine | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| L-Alanine | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| L -Asparagine Monohydrate | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| L-Aspartic Acid | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| L-Glutamic Acid | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| L-Proline | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| L-Serine | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| Vitamin | | | | | | | |
| Biotin | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 |
| Choline Chloride | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| D-Calcium Pantothenate | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Folic Acid | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Niacinamide | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Pyridoxal Hydrochloride | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Riboflavin | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Thiamine Hydrochlorid | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Vitamin B12 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 |
| Meso-inositol | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| Others | | | | | | | |
| D-Glucose | 4500 | 4500 | 4500 | 4500 | 4500 | 4500 | 4500 |
| HEPES | 5958 | 5958 | 5958 | 5958 | 5958 | 5958 | 5958 |
| Sodium Pyruvate | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| Phenol Red | 15 | 15 | 15 | 15 | – | – | – |
| Penicillin G Sodium Salt | – | 100kU | – | – | – | – | – |
| Streptomycin Sulfate | – | 100 | – | – | – | – | – |