

DMEM (Glucose Free) Medium Ingredient Formula_Table 1

| Ingredient(mg/L) / Cat. No. | PM150270 | PM150271 | PM150272 | PM150273 | PM150274 | PM150275 | PM150276 | PM150277 |
|------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl ₂ (Anhydrous) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Fe(NO ₃) ₃ •9H ₂ O | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| MgSO ₄ (Anhydrous) | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 |
| KCl | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| NaHCO ₃ | 3700 | 3700 | 3700 | 3700 | 3700 | 3700 | 3700 | 3700 |
| NaCl | 6400 | 6400 | 6400 | 6400 | 4750 | 4750 | 4750 | 4750 |
| NaH ₂ PO ₄ (Anhydrous) | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 109 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | – | – | – | – | – | – | – | – |
| Glycine | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| L-Arginine Hydrochloride | 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 |
| L-Glutamine | 584 | 584 | – | – | 584 | 584 | – | – |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| L-Leucine | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| L-Lysine Hydrochloride | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| L-Methionine | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| L-Phenylalanine | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| L-Serine | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Threonine | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| L-Tryptophan | 16 | 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 | 103.79 |
| L-Valine | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| Vitamin | | | | | | | | |
| Choline Chloride | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| D-Calcium Pantothenate | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Folic Acid | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Niacinamide | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Pyridoxine Hydrochloride | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Riboflavin | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Thiamine Hydrochlorid | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Meso-inositol | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| Others | | | | | | | | |
| D-Glucose | – | – | – | – | – | – | – | – |
| Sodium Pyruvate | 110 | – | 110 | – | 110 | – | 110 | – |
| HEPES | – | – | – | – | 5958 | 5958 | 5958 | 5958 |
| Phenol Red | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

DMEM (Glucose Free) Ingredient Formula_Table 2

| Ingredient(mg/L) / Cat. No. | PM150278 | PM150279 | PM150280 | PM150269 | PM150281 | PM150282 | PM150283 | PM150284 |
|------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl ₂ (Anhydrous) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Fe(NO ₃) ₃ •9H ₂ O | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| MgSO ₄ (Anhydrous) | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 |
| KCl | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| NaHCO ₃ | 3700 | 3700 | 3700 | 3700 | 3700 | 3700 | 3700 | 3700 |
| NaCl | 6400 | 6400 | 6400 | 6400 | 4750 | 4750 | 4750 | 4750 |
| NaH ₂ PO ₄ (Anhydrous) | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 109 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | – | – | – | – | – | – | – | – |
| Glycine | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| L-Arginine Hydrochloride | 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 |
| L-Glutamine | 584 | – | 584 | – | 584 | – | 584 | – |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| L-Leucine | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| L-Lysine Hydrochloride | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| L-Methionine | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| L-Phenylalanine | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| L-Serine | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Threonine | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| L-Tryptophan | 16 | 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 | 103.79 |
| L-Valine | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| Vitamin | | | | | | | | |
| Choline Chloride | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| D-Calcium Pantothenate | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Folic Acid | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Niacinamide | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Pyridoxine Hydrochloride | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Riboflavin | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Thiamine Hydrochlorid | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Meso-inositol | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| Others | | | | | | | | |
| D-Glucose | – | – | – | – | – | – | – | – |
| Sodium Pyruvate | 110 | 110 | – | – | 110 | 110 | – | – |
| HEPES | – | – | – | – | 5958 | 5958 | 5958 | 5958 |
| Phenol Red | – | – | – | – | – | – | – | – |

DMEM (Glucose Free) Ingredient Formula_Table 3

| Ingredient(mg/L) / Cat. No. | PM150285 | PM150286 | PM150287 | PM150288 | PM150289 | PM150290 | PM150291 | PM150292 |
|------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl ₂ (Anhydrous) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Fe(NO ₃) ₃ •9H ₂ O | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| MgSO ₄ (Anhydrous) | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 |
| KCl | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| NaHCO ₃ | 3700 | 3700 | 3700 | 3700 | 3700 | 3700 | 3700 | 3700 |
| NaCl | 6400 | 6400 | 6400 | 6400 | 4750 | 4750 | 4750 | 4750 |
| NaH ₂ PO ₄ (Anhydrous) | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 109 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | 869 | 869 | 869 | 869 | 869 | 869 | 869 | 869 |
| Glycine | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| L-Arginine Hydrochloride | 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 |
| L-Glutamine | – | – | – | – | – | – | – | – |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| L-Leucine | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| L-Lysine Hydrochloride | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| L-Methionine | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| L-Phenylalanine | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| L-Serine | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Threonine | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| L-Tryptophan | 16 | 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 | 103.79 |
| L-Valine | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| Vitamin | | | | | | | | |
| Choline Chloride | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| D-Calcium Pantothenate | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Folic Acid | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Niacinamide | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Pyridoxine Hydrochloride | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Riboflavin | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Thiamine Hydrochlorid | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Meso-inositol | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| Others | | | | | | | | |
| D-Glucose | – | – | – | – | – | – | – | – |
| Sodium Pyruvate | 110 | 110 | – | – | 110 | – | 110 | – |
| HEPES | – | – | – | – | 5958 | 5958 | 5958 | 5958 |
| Phenol Red | 15 | – | 15 | – | 15 | 15 | – | – |