

MEM Medium Ingredient Formula_Table 1

| Ingredient(mg/L) / Cat. | PM150410 | PM150410A | PM150412 | PM150412A | PM150414 | PM150415 | PM150416 | PM150417 |
|---------------------------|----------|-----------|----------|-----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl2 (Anhydrous) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| MgSO4 (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 |
| NaHCO3 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| NaCl | 6800 | 6800 | 6800 | 6800 | 6350 | 6350 | 6800 | 6350 |
| NaH2PO4 (Anhydrous) | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | – | – | – | – | – | – | 434 | 434 |
| L-Arginine Hydrochloride | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| L-Cystine Dihydrochloride | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| L-Glutamine | 292 | 292 | – | – | 292 | – | – | – |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Leucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Lysine Hydrochloride | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| L-Methionine | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| L-Phenylalanine | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| L-Threonine | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| L-Tryptophan | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| L-Tyrosine Disodium Salt | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| L-Valine | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Glycine | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| L-Alanine | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| L-Asparagine | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| L-Aspartic Acid | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| L-Glutamic Acid | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| L-Proline | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| L-Serine | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| Vitamin | | | | | | | | |
| Choline Chloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D-Calcium Pantothenate | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Folic Acid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Niacinamide | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Pyridoxal Hydrochloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Riboflavin | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Thiamine Hydrochlorid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meso-inositol | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Others | | | | | | | | |
| D-Glucose | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| HEPES | – | – | – | – | 5958 | 5958 | – | 5958 |
| Phenol Red | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Penicillin G Sodium Salt | – | 100kU | – | 100kU | – | – | – | – |
| Streptomycin Sulfate | – | 100 | – | 100 | – | – | – | – |

MEM Medium Ingredient Formula_Table 2

| Ingredient(mg/L) / Cat. | PM150418 | PM150419 | PM150420 | PM150430 | PM150431 | PM150432 | PM150411 | PM150411A |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Inorganic Salt | | | | | | | | |
| CaCl2 (Anhydrous) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| MgSO4 (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 |
| NaHCO3 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| NaCl | 6800 | 6800 | 6350 | 6350 | 6800 | 6350 | 6800 | 6800 |
| NaH2PO4 (Anhydrous) | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | – | – | – | – | 434 | 434 | – | – |
| L-Arginine Hydrochloride | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| L-Cystine Dihydrochloride | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| L-Glutamine | 292 | – | 292 | – | – | – | 292 | 292 |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Leucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Lysine Hydrochloride | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| L-Methionine | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| L-Phenylalanine | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| L-Threonine | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| L-Tryptophan | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| L-Tyrosine Disodium Salt | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| L-Valine | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Glycine | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | – | – |
| L-Alanine | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | – | – |
| L-Asparagine | 15 | 15 | 15 | 15 | 15 | 15 | – | – |
| L-Aspartic Acid | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | – | – |
| L-Glutamic Acid | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | – | – |
| L-Proline | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | – | – |
| L-Serine | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | – | – |
| Vitamin | | | | | | | | |
| Choline Chloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D-Calcium Pantothenate | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Folic Acid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Niacinamide | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Pyridoxal Hydrochloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Riboflavin | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Thiamine Hydrochlorid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meso-inositol | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Others | | | | | | | | |
| D-Glucose | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| HEPES | – | – | 5958 | 5958 | – | 5958 | – | – |
| Phenol Red | – | – | – | – | – | – | 10 | 10 |
| Penicillin G Sodium Salt | – | – | – | – | – | – | – | 100kU |
| Streptomycin Sulfate | – | – | – | – | – | – | – | 100 |

MEM Medium Ingredient Formula_Table 3

| Ingredient(mg/L) / Cat. | PM150413 | PM150413A | PM150433 | PM150434 | PM150435 | PM150436 | PM150437 | PM150438 |
|---------------------------------------|----------|-----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl ₂ (无水) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| MgSO ₄ (无水) | 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 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| NaCl | 6800 | 6800 | 6350 | 6350 | 6800 | 6350 | 6800 | 6800 |
| NaH ₂ PO ₄ (无水) | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | - | - | - | - | 434 | 434 | - | - |
| L-Arginine Hydrochloride | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| L-Cystine Dihydrochloride | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| L-Glutamine | - | - | 292 | - | - | - | 292 | - |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Leucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Lysine Hydrochloride | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| L-Methionine | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| L-Phenylalanine | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| L-Threonine | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| L-Tryptophan | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| L-Tyrosine Disodium Salt | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| L-Valine | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Glycine | - | - | - | - | - | - | - | - |
| L-Alanine | - | - | - | - | - | - | - | - |
| L-Asparagine | - | - | - | - | - | - | - | - |
| L-Aspartic Acid | - | - | - | - | - | - | - | - |
| L-Glutamic Acid | - | - | - | - | - | - | - | - |
| L-Proline | - | - | - | - | - | - | - | - |
| L-Serine | - | - | - | - | - | - | - | - |
| Vitamin | | | | | | | | |
| Choline Chloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D-Calcium Pantothenate | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Folic Acid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Niacinamide | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Pyridoxal Hydrochloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Riboflavin | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Thiamine Hydrochlorid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meso-inositol | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Others | | | | | | | | |
| D-Glucose | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| HEPES | - | - | 5958 | 5958 | - | 5958 | - | - |
| Phenol Red | 10 | 10 | 10 | 10 | 10 | 10 | - | - |
| Penicillin G Sodium Salt | - | 100kU | - | - | - | - | - | - |
| Streptomycin Sulfate | - | 100 | - | - | - | - | - | - |

MEM Medium Ingredient Formula_Table 4

| Ingredient(mg/L) / Cat. No. | PM150439 | PM150440 | PM150441 | PM150442 | PM150443 | PM150444 | PM150445 | PM150446 |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl2 (Anhydrous) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| MgSO4 (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 |
| NaHCO3 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| NaCl | 6350 | 6350 | 6800 | 6350 | 6800 | 6800 | 6350 | 6350 |
| NaH2PO4 (Anhydrous) | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | – | – | 434 | 434 | – | – | – | – |
| L-Arginine Hydrochloride | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| L-Cystine Dihydrochloride | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| L-Glutamine | 292 | – | – | – | 292 | – | 292 | – |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Leucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Lysine Hydrochloride | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| L-Methionine | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| L-Phenylalanine | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| L-Threonine | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| L-Tryptophan | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| L-Tyrosine Disodium Salt | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| L-Valine | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Glycine | – | – | – | – | 7.5 | 7.5 | 7.5 | 7.5 |
| L-Alanine | – | – | – | – | 8.9 | 8.9 | 8.9 | 8.9 |
| L -Asparagine Monohydrate | – | – | – | – | 15 | 15 | 15 | 15 |
| #N/A | – | – | – | – | 13.3 | 13.3 | 13.3 | 13.3 |
| L-Glutamic Acid | – | – | – | – | 14.7 | 14.7 | 14.7 | 14.7 |
| L-Proline | – | – | – | – | 11.5 | 11.5 | 11.5 | 11.5 |
| L-Serine | – | – | – | – | 10.5 | 10.5 | 10.5 | 10.5 |
| Vitamin | | | | | | | | |
| Choline Chloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D-Calcium Pantothenate | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Folic Acid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Niacinamide | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Pyridoxal Hydrochloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Riboflavin | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Thiamine Hydrochlorid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meso-inositol | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Others | | | | | | | | |
| D-Glucose | 1000 | 1000 | 1000 | 1000 | – | – | – | – |
| HEPES | 5958 | 5958 | 5958 | 5958 | – | – | 5958 | 5958 |
| Phenol Red | – | – | – | – | 10 | 10 | 10 | 10 |
| Penicillin G Sodium Salt | – | – | – | – | – | – | – | – |
| Streptomycin Sulfate | – | – | – | – | – | – | – | – |

MEM Medium Ingredient Formula_Table 5

| Ingredient(mg/L) / Cat. | PM150447 | PM150448 | PM150449 | PM150450 | PM150451 | PM150452 | PM150453 | PM150454 |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl2 (Anhydrous) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| MgSO4 (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 |
| NaHCO3 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| NaCl | 6800 | 6350 | 6800 | 6800 | 6350 | 6350 | 6800 | 6350 |
| NaH2PO4 (Anhydrous) | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | 434 | 434 | – | – | – | – | 434 | 434 |
| L-Arginine Hydrochloride | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| L-Cystine Dihydrochloride | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| L-Glutamine | – | – | 292 | – | 292 | – | – | – |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Leucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Lysine Hydrochloride | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| L-Methionine | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| L-Phenylalanine | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| L-Threonine | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| L-Tryptophan | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| L-Tyrosine Disodium Salt | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| L-Valine | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Glycine | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| L-Alanine | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| L -Asparagine | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| L-Aspartic Acid | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| L-Glutamic Acid | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| L-Proline | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| L-Serine | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| Vitamin | | | | | | | | |
| Choline Chloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D-Calcium Pantothenate | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Folic Acid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Niacinamide | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Pyridoxal Hydrochloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Riboflavin | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Thiamine Hydrochlorid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meso-inositol | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Others | | | | | | | | |
| D-Glucose | – | – | – | – | – | – | – | – |
| HEPES | – | 5958 | – | – | 5958 | 5958 | – | 5958 |
| Phenol Red | 10 | 10 | – | – | – | – | – | – |
| Penicillin G Sodium Salt | – | – | – | – | – | – | – | – |
| Streptomycin Sulfate | – | – | – | – | – | – | – | – |

MEM Medium Ingredient Formula_Table 6

| Ingredient(mg/L) / Cat. | PM150455 | PM150456 | PM150457 | PM150458 | PM150459 | PM150460 | PM150461 | PM150462 |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl2 (Anhydrous) | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| MgSO4 (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 |
| NaHCO3 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| NaCl | 6800 | 6800 | 6350 | 6350 | 6800 | 6350 | 6800 | 6800 |
| NaH2PO4 (Anhydrous) | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | – | – | – | – | 434 | 434 | – | – |
| L-Arginine Hydrochloride | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| L-Cystine Dihydrochloride | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| L-Glutamine | 292 | – | 292 | – | – | – | 292 | – |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| L-Isoleucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Leucine | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| L-Lysine Hydrochloride | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| L-Methionine | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| L-Phenylalanine | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| L-Threonine | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| L-Tryptophan | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| L-Tyrosine Disodium Salt | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| L-Valine | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Glycine | – | – | – | – | – | – | – | – |
| L-Alanine | – | – | – | – | – | – | – | – |
| L-Asparagine | – | – | – | – | – | – | – | – |
| L-Aspartic Acid | – | – | – | – | – | – | – | – |
| L-Glutamic Acid | – | – | – | – | – | – | – | – |
| L-Proline | – | – | – | – | – | – | – | – |
| L-Serine | – | – | – | – | – | – | – | – |
| Vitamin | | | | | | | | |
| Choline Chloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D-Calcium Pantothenate | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Folic Acid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Niacinamide | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Pyridoxal Hydrochloride | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Riboflavin | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Thiamine Hydrochlorid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Meso-inositol | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Others | | | | | | | | |
| D-Glucose | – | – | – | – | – | – | – | – |
| HEPES | – | – | 5958 | 5958 | – | 5958 | – | – |
| Phenol Red | 10 | 10 | 10 | 10 | 10 | 10 | – | – |
| Penicillin G Sodium Salt | – | – | – | – | – | – | – | – |
| Streptomycin Sulfate | – | – | – | – | – | – | – | – |

MEM Medium Ingredient Formula_Table 7

| Ingredient(mg/L) / Cat. | PM150463 | PM150464 | PM150465 | PM150466 | PM150467 | PM150468 | PM150469 | PM150470 |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl2 (Anhydrous) | 200 | 200 | 200 | 200 | 200 | 2000 | 200 | 185 |
| MgSO4 (Anhydrous) | 97.67 | 97.67 | 97.67 | 97.67 | 97.67 | 976.7 | 97.67 | 97.67 |
| KCl | 400 | 400 | 400 | 400 | 400 | 4000 | 400 | 400 |
| KH2PO4 | – | – | – | – | – | – | – | 60 |
| NaHCO3 | 2200 | 2200 | 2200 | 2200 | 1500 | – | 3700 | 350 |
| NaCl | 6350 | 6350 | 6800 | 6350 | 6800 | 68000 | 6800 | 8000 |
| NaH2PO4 (Anhydrous) | 122 | 122 | 122 | 122 | 122 | 1220 | 122 | 122 |
| Na2HPO4 (Anhydrous) | – | – | – | – | – | – | – | 47.88 |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | – | – | 434 | 434 | – | – | – | – |
| L-Arginine Hydrochloride | 126 | 126 | 126 | 126 | 126 | 1260 | 126 | 126 |
| L-Cystine Dihydrochloride | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 3128 | 31.3 | 31.3 |
| L-Glutamine | 292 | – | – | – | 292 | – | – | 292 |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 42 | 420 | 42 | 42 |
| L-Isoleucine | 52 | 52 | 52 | 52 | 52 | 520 | 52 | 52 |
| L-Leucine | 52 | 52 | 52 | 52 | 52 | 520 | 52 | 52 |
| L-Lysine Hydrochloride | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 725 | 72.5 | 72.5 |
| L-Methionine | 15 | 15 | 15 | 15 | 15 | 150 | 15 | 15 |
| L-Phenylalanine | 32 | 32 | 32 | 32 | 32 | 320 | 32 | 32 |
| L-Threonine | 48 | 48 | 48 | 48 | 48 | 480 | 48 | 48 |
| L-Tryptophan | 10 | 10 | 10 | 10 | 10 | 100 | 10 | 10 |
| L-Tyrosine Disodium Salt | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 519 | 51.9 | 51.9 |
| L-Valine | 46 | 46 | 46 | 46 | 46 | 460 | 46 | 46 |
| Glycine | – | – | – | – | 7.5 | – | – | – |
| L-Alanine | – | – | – | – | 8.9 | – | – | – |
| L-Asparagine | – | – | – | – | 15 | – | – | – |
| L-Aspartic Acid | – | – | – | – | 13.3 | – | – | – |
| L-Glutamic Acid | – | – | – | – | 14.7 | – | – | – |
| L-Proline | – | – | – | – | 11.5 | – | – | – |
| L-Serine | – | – | – | – | 10.5 | – | – | – |
| Vitamin | | | | | | | | |
| Choline Chloride | 1 | 1 | 1 | 1 | 1 | 10 | 1 | 1 |
| D-Calcium Pantothenate | 1 | 1 | 1 | 1 | 1 | 10 | 1 | 1 |
| Folic Acid | 1 | 1 | 1 | 1 | 1 | 10 | 1 | 1 |
| Niacinamide | 1 | 1 | 1 | 1 | 1 | 10 | 1 | 1 |
| Pyridoxal Hydrochloride | 1 | 1 | 1 | 1 | 1 | 10 | 1 | 1 |
| Riboflavin | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 |
| Thiamine Hydrochlorid | 1 | 1 | 1 | 1 | 1 | 10 | 1 | 1 |
| Meso-inositol | 2 | 2 | 2 | 2 | 2 | 20 | 2 | 2 |
| Others | | | | | | | | |
| D-Glucose | – | – | – | – | – | 10000 | 6000 | 1000 |
| HEPES | 5958 | 5958 | – | 5958 | – | – | – | – |
| Phenol Red | – | – | – | – | 10 | 100 | 10 | 10 |
| Sodium Pyruvate | – | – | – | – | 110 | – | – | – |

MEM Medium Ingredient Formula_Table 8

| Ingredient(mg/L) / Cat. | PM150471 | PM150472 | PM150473 | PM150474 | PM150475 | PM150476 | PM150477 | PM150462 |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Inorganic Salt | | | | | | | | |
| CaCl2 (Anhydrous) | – | 200 | 200 | 200 | 285 | 200 | – | 200 |
| FeCl3•6H2O | – | 0.54 | 0.54 | 0.54 | – | – | – | – |
| Fe(NO3)3•9H2O | – | – | – | – | 1 | 0.1 | – | – |
| MgCl2 (Anhydrous) | – | 85.75 | 85.75 | 85.75 | – | – | 93.68 | – |
| MgSO4 (Anhydrous) | 97.67 | 12.22 | 12.22 | 12.22 | 195 | 97.67 | – | 97.67 |
| KCl | 400 | 400 | 400 | 400 | 800 | 400 | 400 | 400 |
| NaHCO3 | 2200 | 2200 | 2200 | 2200 | 8400 | 2750 | 2000 | 850 |
| NaCl | 6800 | 6800 | 6800 | 6800 | 12800 | 6400 | 6500 | 6800 |
| NaH2PO4 (Anhydrous) | 122 | 130 | 130 | 130 | 217.4 | 107.8 | 1154 | 122 |
| ZnSO4•6H2O | – | 0.14 | 0.14 | 0.14 | – | – | – | – |
| Amino Acid | | | | | | | | |
| L-Alanyl-L-Glutamine | – | – | – | – | – | – | – | – |
| L-Arginine Hydrochloride | 126 | 126 | 126 | 126 | 504 | 42 | 126 | 126.4 |
| L-Cystine Dihydrochloride | 31.3 | 31.3 | 31.3 | 31.3 | 125.2 | 31.3 | 32.4 | 24.02 |
| L-Glutamine | – | 292 | 292 | 292 | 870 | 292 | 292 | – |
| L-Histidine Hydrochloride | 42 | 42 | 42 | 42 | 168 | 21 | 42 | 41.92 |
| L-Isoleucine | 52 | 52 | 52 | 52 | 208 | 52 | 52 | 52.4 |
| L-Leucine | 52 | 131 | 131 | 131 | 208 | 52 | 52 | 52.4 |
| L-Lysine Hydrochloride | 72.5 | 72.5 | 72.5 | 72.5 | 290 | 73.1 | 72.5 | 73.06 |
| L-Methionine | 15 | 15 | 15 | 15 | 60 | 15 | 15 | 14.92 |
| L-Phenylalanine | 32 | 32 | 32 | 32 | 128 | 33 | 32 | 33.02 |
| L-Threonine | 48 | 48 | 48 | 48 | 192 | 47.6 | 48 | 47.64 |
| L-Tryptophan | 10 | 10 | 10 | 10 | 40 | 8 | 10 | 10.2 |
| L-Tyrosine Disodium Salt | 51.9 | 51.9 | 51.9 | 51.9 | 207.6 | 52.19 | 54.52 | 36.22 |
| L-Valine | 46 | 46 | 46 | 46 | 155 | 46.8 | 46 | 46.86 |
| Glycine | – | – | – | – | – | – | – | 10.5 |
| L-Alanine | – | – | – | – | – | – | – | 8.9 |
| L-Asparagine | – | 60 | 60 | 60 | – | – | – | 15 |
| L-Aspartic Acid | – | – | – | – | – | – | – | 13.3 |
| L-Glutamic Acid | – | – | – | – | – | – | – | 14.7 |
| L-Proline | – | – | – | – | – | – | – | 11.5 |
| L-Serine | – | 42 | 42 | 42 | – | – | – | 10.5 |
| Vitamin | | | | | | | | |
| Biotin | – | 0.1 | 0.1 | 0.1 | – | – | – | – |
| Choline Chloride | 1 | 56 | 56 | 56 | 4 | 2 | 1 | 1 |
| D-Calcium Pantothenate | 1 | 1 | 1 | 1 | 4 | 2 | 1 | 1 |
| Folic Acid | 1 | 2.2 | 2.2 | 2.2 | 4 | 2 | 1 | 1 |
| Niacinamide | 1 | 1 | 1 | 1 | 4 | 2 | 1 | 1 |
| Pyridoxal Hydrochloride | 1 | 1 | 1 | 1 | 4 | 2 | 1 | 1 |
| Riboflavin | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 | 0.2 | 0.1 | 0.1 |
| Thiamine Hydrochlorid | 1 | 1 | 1 | 1 | 4 | 2 | 1 | 1 |
| Vitamin B12 | – | 1.36 | 1.36 | 1.36 | – | – | – | – |
| Meso-inositol | 2 | 36 | 36 | 36 | 8 | 3.6 | 2 | 2 |
| Others | | | | | | | | |
| D-Glucose | 1000 | 2000 | 2000 | 2000 | 9000 | 4500 | 2000 | 1000 |
| Linoleic Acid | – | 0.084 | 0.084 | 0.084 | – | – | – | – |
| Znso4 | – | 0.2 | 0.2 | 0.2 | – | – | – | – |
| Putrescine | – | 0.16 | 0.16 | 0.16 | – | – | – | – |
| Sodium Pyruvate | – | 110 | 110 | 110 | – | – | – | – |
| Phenol Red | 10 | 10 | – | 10 | – | 15 | 10 | 10 |
| Gentamicin Sulfate | – | – | 0.05 | – | – | – | – | – |