

## McCoy's 5A Medium Ingredient Formula

| Ingredient (mg/L) / Cat. No.                 | PM150710 | PM150710A | PM150711 | PM150712 | PM150713 | PM150714 | PM150715 | PM150716 | PM150717 |
|--|----------|-----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Inorganic Salt</b>                        |          |           |          |          |          |          |          |          |          |
| CaCl <sub>2</sub> (Anhydrous)                | 99.95    | 99.95     | 99.95    | 99.95    | 99.95    | 99.95    | 99.95    | 99.95    | 99.95    |
| MgSO <sub>4</sub> (Anhydrous)                | 97.69    | 97.69     | 97.69    | 97.69    | 97.69    | 97.69    | 97.69    | 97.69    | 97.69    |
| KCl  | 400      | 400       | 400      | 400      | 400      | 400      | 400      | 400      | 400      |
| NaHCO <sub>3</sub>                           | 2200     | 2200      | 2200     | 2200     | 2200     | 2200     | 2200     | 2200     | 2200     |
| NaCl   | 6460     | 6460      | 5100     | 6460     | 5100     | 6460     | 5100     | 6460     | 5100     |
| NaH <sub>2</sub> PO <sub>4</sub> (Anhydrous) | 504      | 504       | 504      | 504      | 504      | 504      | 504      | 504      | 504      |
| <b>Amino Acid</b>                            |          |           |          |          |          |          |          |          |          |
| L-Alanyl-L-Glutamine                         | –        | –         | –        | –        | –        | –        | –        | 325.72   | 325.72   |
| Glycine                                      | 7.51     | 7.51      | 7.51     | 7.51     | 7.51     | 7.51     | 7.51     | 7.51     | 7.51     |
| L-Alanine                                    | 13.36    | 13.36     | 13.36    | 13.36    | 13.36    | 13.36    | 13.36    | 13.36    | 13.36    |
| L-Arginine Hydrochloride                     | 42.14    | 42.14     | 42.14    | 42.14    | 42.14    | 42.14    | 42.14    | 42.14    | 42.14    |
| L-Asparagine Monohydrate                     | 45.03    | 45.03     | 45.03    | 45.03    | 45.03    | 45.03    | 45.03    | 45.03    | 45.03    |
| L-Aspartic Acid                              | 19.97    | 19.97     | 19.97    | 19.97    | 19.97    | 19.97    | 19.97    | 19.97    | 19.97    |
| L-Cysteine                                   | 24.24    | 24.24     | 24.24    | 24.24    | 24.24    | 24.24    | 24.24    | 24.24    | 24.24    |
| L-Glutamic Acid                              | 22.07    | 22.07     | 22.07    | 22.07    | 22.07    | 22.07    | 22.07    | 22.07    | 22.07    |
| L-Glutamine                                  | 219.15   | 219.15    | 219.15   | –        | –        | 219.15   | 219.15   | –        | –        |
| L-Histidine Hydrochloride                    | 20.96    | 20.96     | 20.96    | 20.96    | 20.96    | 20.96    | 20.96    | 20.96    | 20.96    |
| L-Hydroxyproline                             | 19.67    | 19.67     | 19.67    | 19.67    | 19.67    | 19.67    | 19.67    | 19.67    | 19.67    |
| L-Isoleucine                                 | 39.36    | 39.36     | 39.36    | 39.36    | 39.36    | 39.36    | 39.36    | 39.36    | 39.36    |
| L-Leucine                                    | 39.36    | 39.36     | 39.36    | 39.36    | 39.36    | 39.36    | 39.36    | 39.36    | 39.36    |
| L-Lysine Hydrochloride                       | 36.54    | 36.54     | 36.54    | 36.54    | 36.54    | 36.54    | 36.54    | 36.54    | 36.54    |
| L-Methionine                                 | 14.92    | 14.92     | 14.92    | 14.92    | 14.92    | 14.92    | 14.92    | 14.92    | 14.92    |
| L-Phenylalanine                              | 16.52    | 16.52     | 16.52    | 16.52    | 16.52    | 16.52    | 16.52    | 16.52    | 16.52    |
| L-Proline                                    | 17.27    | 17.27     | 17.27    | 17.27    | 17.27    | 17.27    | 17.27    | 17.27    | 17.27    |
| L-Serine                                     | 26.28    | 26.28     | 26.28    | 26.28    | 26.28    | 26.28    | 26.28    | 26.28    | 26.28    |
| L-Threonine                                  | 17.87    | 17.87     | 17.87    | 17.87    | 17.87    | 17.87    | 17.87    | 17.87    | 17.87    |
| L-Tryptophan                                 | 3.06     | 3.06      | 3.06     | 3.06     | 3.06     | 3.06     | 3.06     | 3.06     | 3.06     |
| L-Tyrosine Disodium Salt                     | 26.1     | 26.1      | 26.1     | 26.1     | 26.1     | 26.1     | 26.1     | 26.1     | 26.1     |
| L-Valine                                     | 17.57    | 17.57     | 17.57    | 17.57    | 17.57    | 17.57    | 17.57    | 17.57    | 17.57    |
| <b>Vitamin</b>                               |          |           |          |          |          |          |          |          |          |
| L-Ascorbic Acid                              | 0.5625   | 0.5625    | 0.5625   | 0.5625   | 0.5625   | 0.5625   | 0.5625   | 0.5625   | 0.5625   |
| Biotin                                       | 0.2      | 0.2       | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |
| Choline Chloride                             | 5        | 5         | 5        | 5        | 5        | 5        | 5        | 5        | 5        |
| D-Calcium Pantothenate                       | 0.2      | 0.2       | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |
| Folic Acid                                   | 10       | 10        | 10       | 10       | 10       | 10       | 10       | 10       | 10       |
| Niacinamide                                  | 0.5      | 0.5       | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      |
| Niacin                                       | 0.5      | 0.5       | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      |
| Para-aminobenzoic Acid                       | 1        | 1         | 1        | 1        | 1        | 1        | 1        | 1        | 1        |
| Pyridoxal Hydrochloride                      | 0.5      | 0.5       | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      |
| Pyridoxine Hydrochloride                     | 0.5      | 0.5       | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      |
| Riboflavin                                   | 0.2      | 0.2       | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |
| Thiamine Hydrochlorid                        | 0.2      | 0.2       | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |
| Vitamin B12                                  | 2        | 2         | 2        | 2        | 2        | 2        | 2        | 2        | 2        |
| Meso-inositol                                | 36       | 36        | 36       | 36       | 36       | 36       | 36       | 36       | 36       |
| <b>Others</b>                                |          |           |          |          |          |          |          |          |          |
| D-Glucose                                    | 3000     | 3000      | 3000     | 3000     | 3000     | 3000     | 3000     | 3000     | 3000     |
| Bacto Peptone                                | 600      | 600       | 600      | 600      | 600      | 600      | 600      | 600      | 600      |
| Glutathione (Reduced)                        | 0.5      | 0.5       | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      | 0.5      |
| HEPES  | –        | –         | 5958     | –        | 5958     | –        | 5958     | –        | 5958     |
| Phenol Red                                   | 10       | 10        | 10       | 10       | 10       | –        | –        | 10       | 10       |
| Penicillin G Sodium Salt                     | –        | 100kU     | –        | –        | –        | –        | –        | –        | –        |
| Streptomycin Sulfate                         | –        | 100       | –        | –        | –        | –        | –        | –        | –        |