

## Mc Coy's 5A Medium

### Description

Mc Coy's medium is a complete medium with all amino acids and vitamins. It is used for growing primary cultures. This group contains marrow cells, gingival cells, adrenal cells, spleen cells, lung cells, rat embryos and other cell types.

### Liquid Media

Mc Coy's 5A Medium (modified)<sup>(1)</sup>  
with L-Glutamine  
with 2.2 g/L NaHCO<sub>3</sub> 500 ml P04-05500

Mc Coy's 5A Medium (modified)<sup>(1)</sup>  
with stab. Glutamine  
with 2.2 g/L NaHCO<sub>3</sub> 500 ml P04-06500

Mc Coy's 5A Medium (modified)<sup>(2)</sup>  
with L-Glutamine  
with 25 mM Hepes  
with 2.2 g/L NaHCO<sub>3</sub> 500 ml P04-05050

### Special Media

Mc Coy's 5A Medium<sup>(2)</sup>  
without L-Glutamine  
**without Phenol red**  
with 2.2 g/L NaHCO<sub>3</sub> 500 ml P04-05610

### Powder Media

McCoy's 5A Medium (modified)<sup>(1)</sup>  
with L-Glutamine 10 L P03-1710  
without NaHCO<sub>3</sub> 50 L P03-1750

McCoy's 5A Medium (modified)<sup>(1)</sup>  
with L-Glutamine  
with 25 mM Hepes 10 L P03-1810  
without NaHCO<sub>3</sub> 50 L P03-1850

### Composition

|                         | Components                                     | mg/L     |
|-------------------------|--|----------|
| <b>Inorganic Salts</b>  | Calcium chloride x 2H <sub>2</sub> O           | 132.46   |
|                         | Magnesium sulfate dried                        | 139.53   |
|                         | Potassium chloride                             | 400.00   |
|                         | Sodium chloride                                | 6,460.00 |
|                         | Sodium dihydrogen phosphate x H <sub>2</sub> O | 580.00   |
| <b>Other Components</b> | D(+)-Glucose anhydrous                         | 3,000.00 |
|                         | Glutathione (red.)                             | 0.50     |
|                         | Hepes  | 5,958.00 |
|                         | Bacto - Peptone                                | 600.00   |
|                         | Phenol red                                     | 10.00    |
| <b>Amino acids</b>      | L-Alanine                                      | 13.36    |
|                         | L-Arginine x HCl                               | 42.10    |
|                         | L-Asparagine x H <sub>2</sub> O                | 45.00    |
|                         | L-Aspartic acid                                | 19.97    |
|                         | L-Cysteine                                     | 24.24    |
|                         | L-Glutamine                                    | 219.20   |
|                         | L-Glutamic acid                                | 22.10    |
|                         | Glycine  | 7.50     |
|                         | L-Histidine x HCl x H <sub>2</sub> O           | 20.76    |
|                         | L-Hydroxyproline                               | 19.70    |
|                         | L-Isoleucine                                   | 39.36    |
|                         | L-Leucine                                      | 39.36    |
|                         | L-Lysine x HCl                                 | 36.50    |
|                         | L-Methionine                                   | 14.90    |
|                         | L-Phenylalanine                                | 16.50    |
|                         | L-Proline                                      | 17.30    |
|                         | L-Serine                                       | 26.30    |
| L-Threonine             | 17.90  |          |
| L-Tryptophan            | 3.10   |          |
| L-Tyrosine              | 18.10  |          |
| L-Valine                | 17.60  |          |
| <b>Vitamins</b>         | p-Aminobenzoic acid                            | 1.00     |
|                         | Ascorbic acid                                  | 0.50     |
|                         | D(+)-Biotin                                    | 0.20     |
|                         | D-Calcium pantothenate                         | 0.20     |
|                         | Choline chloride                               | 5.00     |
|                         | Folic acid                                     | 10.00    |
|                         | myo-Inositol                                   | 36.00    |
|                         | Nicotinamide                                   | 0.50     |
|                         | Nicotinic acid                                 | 0.50     |
|                         | Pyridoxal x HCl                                | 0.50     |
|                         | Pyridoxine x HCl                               | 0.50     |
|                         | Riboflavin                                     | 0.20     |
|                         | Thiamine x HCl                                 | 0.20     |
|                         | Vitamin B12                                    | 2.00     |

When 5,958.00 mg/L HEPES is included there is only 5,960.00 mg/L sodium chloride.

(1) usually on stock, (2) minimum order 10 l, (3) available on request