

RPMI 1640 Medium, no glutamine

Catalog Number: 01-101-1A

This formulation is without L-Glutamine, without glucose

INORGANIC SALTS

| Components                      | Concentration (mg/L) |
|---------------------------------|----------------------|
| Calcium nitrate (Ca(NO3)2 4H2O) | 100.00               |
| Potassium chloride (KCl)        | 400.00               |
| Magnesium sulfate (MgSO4 )      | 48.84                |
| Sodium chloride (NaCl)          | 6000.00              |
| Sodium bicarbonate (NaHCO3)     | 2000.00              |
| Sodium Phosphate (Na2HPO4)      | 800.85               |

OTHER COMPONENTS

|                     |      |
|---------------------|------|
| Glutathione Reduced | 1.00 |
| Phenol red          | 5.00 |

AMINO ACIDS

|                  |        |
|------------------|--------|
| L-Arginine       | 200.00 |
| L-Asparagine-H2O | 50.00  |
| L-Aspartic Acid  | 20.00  |
| L-Cystine        | 50.00  |
| L-Glutamic Acid  | 20.00  |
| Glycine          | 10.00  |
| L-Histidine      | 15.00  |
| L-Hydroxyproline | 20.00  |
| L-Isoleucine     | 50.00  |

# SARTORIUS

|                        |       |
|------------------------|-------|
| L-Leucine              | 50.00 |
| L-Lysine hydrochloride | 40.00 |
| L-Methionine           | 15.00 |
| L-Phenylalanine        | 15.00 |
| L-Proline              | 20.00 |
| L-Serine               | 30.00 |
| L-Threonine            | 20.00 |
| L-Tryptophan           | 5.00  |
| L-Tyrosine             | 20.00 |
| L-Valine               | 20.00 |

## VITAMINS

|                            |       |
|----------------------------|-------|
| Biotin                     | 0.20  |
| D-Ca Pantothenate          | 0.25  |
| Choline Chloride           | 3.00  |
| Folic Acid                 | 1.00  |
| i-Inositol                 | 35.00 |
| Niacinamide                | 1.00  |
| p-Aminobenzoic Acid (PABA) | 1.00  |
| Pyridoxine HCl             | 1.00  |
| Riboflavin                 | 0.20  |
| Thiamine HCl               | 1.00  |
| Vitamin B12                | 0.005 |

### Reference:

Moore, G.E., Gerner, R.E. and Franklin, H.A. (1967) J.A.M.A., 199:519.