



PurMa Biologics, LLC

Roswell Park Memorial Institute Medium (RPMI-1640)

Cat Number: P3S010109

Standard Formulation

| Amino Acids | (g/liter) | Vitamins | (g/liter) |
|------------------------|----------------|-----------------------------------|------------------------|
| Glycine | 0.010 | D-Biotin | 0.0002 |
| L-Glutamine | 0.300 | Choline Chloride | 0.003 |
| L-Arginine | 0.2 | Folic Acid | 0.001 |
| L-Asparagine | 0.05 | myo-Inositol | 0.035 |
| L-Aspartic acid | 0.020 | Nicotinamide | 0.001 |
| L-Cystine. 2HCl | 0.065 | p-Amino Benzoic Acid | 0.001 |
| L-Glutamic Acid | 0.020 | D-Pantothenic Acid (hemi calcium) | 0.00025 |
| L-Histidine | 0.015 | Pyridoxine· HCl | 0.001 |
| L-Hydroxyproline | 0.020 | Riboflavin | 0.0002 |
| L-Isoleucine | 0.050 | Thiamine· HCl | 0.001 |
| L-Leucine | 0.050 | Vitamin B-12 | 0.5 X 10 ⁻⁶ |
| L-Lysine hydrochloride | 0.040 | others | g/liter |
| L-Methionine | 0.015 | D-Glucose | 2.0 |
| L-Phenylalanine | 0.015 | Glutathione (reduced) | 0.001 |
| L-Proline | 0.020 | Phenol Red | 0.005 |
| L-Serine | 0.030 | | |
| L-Threonine | 0.020 | | |
| L-Tryptophan | 0.005 | | |
| L-Tyrosine. 2Na. 2H2O | 0.029 | | |
| L-Valine | 0.020 | | |
| Inorganic Salts | g/liter | | |
| Ca (NO3)2·4H2O | 0.1 | | |
| MgSO4 (anhydrous) | 0.048 | | |
| KCl | 0.4 | | |
| NaHCO3 | 2.0 | | |
| NaCl | 6.0 | | |
| Na2HPO4 (anhydrous) | 0.8 | | |