



# Base Formulation of PurMa™ Chemically Defined DMEM (CD-DMEM)

Containing PurMa™ GlutaSup (2 mM L-Alanyl-L-Glutamine) (434mg/L)

Cat #: P3C310105

## Standard Formulation

| Amino Acids                                           | g/liter        | Others                  | g/liter        |
|-------------------------------------------------------|----------------|-------------------------|----------------|
| L-Arginine·HCl                                        | 0.084          | Phenol Red, Sodium Salt | 0.015          |
| L-Cystine·2HCl                                        | 0.063          | Sodium Pyruvate         | 0.11           |
| Glycine                                               | 0.03           | D-Glucose               | 4.5            |
| L-Alanyl-L-Glutamine                                  | 0.868          | <b>Vitamins</b>         | <b>g/liter</b> |
| L-Histidine·HCl·H <sub>2</sub> O                      | 0.042          | Choline Chloride        | 0.004          |
| L-Isoleucine                                          | 0.105          | Folic Acid              | 0.004          |
| L-Leucine                                             | 0.105          | myo-Inositol            | 0.0072         |
| L-Lysine·HCl                                          | 0.146          | Nicotinamide            | 0.004          |
| L-Methionine                                          | 0.03           | D-Calcium pantothenate  | 0.004          |
| L-Phenylalanine                                       | 0.066          | Pyridoxine·HCl          | 0.004          |
| L-Serine                                              | 0.042          | Riboflavin              | 0.0004         |
| L-Threonine                                           | 0.095          | Thiamine·HCl            | 0.004          |
| L-Tryptophan                                          | 0.016          |                         |                |
| L-Tyrosine·2Na·2H <sub>2</sub> O                      | 0.104          |                         |                |
| L-Valine                                              | 0.094          |                         |                |
| <b>Inorganic Salts</b>                                | <b>g/liter</b> |                         |                |
| CaCl <sub>2</sub> (anhydrous)                         | 0.4            |                         |                |
| Fe (NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O | 0.0001         |                         |                |
| MgSO <sub>4</sub> (anhydrous)                         | 0.0977         |                         |                |
| KCl                                                   | 0.4            |                         |                |
| Sodium Bicarbonate                                    | 3.7            |                         |                |
| NaCl                                                  | 6.4            |                         |                |
| NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O    | 0.125          |                         |                |