



# Kaighn's Modification of Ham's F-12 Medium-MAX (Ham's F-12K MAX)

Cat No: P3M110108

Containing PurMa™ GlutaSup (2 mM L-Alanyl-L-Glutamine) (432mg/L)

## Standard Formulation

| Amino Acids                      | g/liter | Inorganic Salts                              | g/liter   |
|----------------------------------|---------|--|-----------|
| L-Arginine· HCl                  | 0.422   | CaCl <sub>2</sub> (anhydrous)                | 0.102     |
| L-Alanine                        | 0.01782 | CuSO <sub>4</sub> ·5H <sub>2</sub> O         | 0.0000025 |
| L-Asparagine·H <sub>2</sub> O    | 0.03020 | FeSO <sub>4</sub> ·7H <sub>2</sub> O         | 0.000834  |
| L-Aspartic Acid                  | 0.02662 | MgCl <sub>2</sub> (anhydrous)                | 0.497     |
| L-Cysteine·HCl·H <sub>2</sub> O  | 0.07024 | MgSO <sub>4</sub> (anhydrous)                | 0.19264   |
| L-Glutamic Acid                  | 0.02942 | KCl  | 0.285     |
| L-Alanyl-L-Glutamine             | 0.434   | NaH <sub>2</sub> PO <sub>4</sub> (anhydrous) | 0.05852   |
| Glycine                          | 0.01501 | NaHCO <sub>3</sub>                           | 2.50000   |
| L-Histidine·HCl·H <sub>2</sub> O | 0.0458  | Na <sub>2</sub> HPO <sub>4</sub> (anhydrous) | 0.11502   |
| L-Isoleucine                     | 0.00788 | NaCl   | 7.59720   |
| L-Leucine                        | 0.02624 | ZnSO <sub>4</sub> ·7H <sub>2</sub> O         | 0.000144  |
| L-Lysine·HCl                     | 0.07304 | Vitamins                                     | g/liter   |
| L-Methionine                     | 0.00896 | D-Biotin                                     | 0.0000733 |
| L-Phenylalanine                  | 0.00992 | Choline Chloride                             | 0.01396   |
| L-Proline                        | 0.06906 | Folic Acid                                   | 0.00132   |
| L-Serine                         | 0.02102 | Hypoxanthine Na                              | 0.00408   |
| L-Threonine                      | 0.02382 | myo-Inositol                                 | 0.01802   |
| L-Tryptophan                     | 0.00408 | Nicotinamide                                 | 0.0000366 |
| L-Tyrosine·2Na·2H <sub>2</sub> O | 0.0135  | D-Pantothenic Acid                           | 0.000477  |
| L-Valine                         | 0.02342 | Putrescine·2HCl                              | 0.000322  |
| Others                           | g/liter | Pyridoxine·HCl                               | 0.0000617 |
| D-Glucose                        | 1.260   | Riboflavin                                   | 0.0000376 |
| Phenol Red                       | 0.00332 | Thiamine·HCl                                 | 0.000377  |
| Sodium Pyruvate                  | 0.22000 | Thymidine                                    | 0.000727  |
| Lipoic (Thioctic) Acid           | 0.00021 | Vitamin B-12                                 | 0.001355  |