



**Advanced Minimum Essential Medium Alpha In Hanks' Buffer
A-MEM- α (HBSS)**
Containing PurMa™ GlutaSup (2 mM L-Alanyl-L-Glutamine) (434mg/L)
Cat No: P3A410123
Standard Formulation

| Amino Acids | g/liter | Vitamins | g/liter |
|--|---------|--------------------------------|---------------------|
| Glycine | 0.050 | Choline Chloride | 0.001 |
| L-Alanine | 0.025 | Folic Acid | 0.001 |
| L-Arginine·HCl | 0.105 | myo-Inositol | 0.002 |
| L-Asparagine·H ₂ O | 0.050 | Nicotinamide | 0.001 |
| L-Aspartic acid | 0.030 | D-Calcium pantothenate | 0.001 |
| L-Cysteine·HCl·H ₂ O | 0.1 | Pyridoxine·HCl | 0.001 |
| L-Cystine | 0.024 | Riboflavin | 0.0001 |
| L-Glutamic Acid | 0.075 | Thiamine· HCl | 0.001 |
| L-Alanyl-L-Glutamine | 0.434 | Biotin | 0.0001 |
| L-Histidine | 0.031 | Vitamin B12 | 0.00136 |
| L-Isoleucine | 0.0524 | Ascorbic Acid | 0.050 |
| L-Leucine | 0.052 | Others | g/liter |
| L-Lysine | 0.058 | Phenol Red, Sodium Salt | 0.010 |
| L-Methionine | 0.015 | D-Glucose | 1.0 |
| L-Phenylalanine | 0.032 | Ethanolamine | 0.0019 |
| L-Proline | 0.040 | Lipoic Acid | 0.0002 |
| L-Serine | 0.025 | Sodium Pyruvate | 0.11 |
| L-Threonine | 0.048 | Proteins | g/liter |
| L-Tryptophan | 0.010 | PurMa™ AlbuSup (Albumin)* | 0.4 |
| L-Tyrosine | 0.036 | Human Transferrin (Holo) | 0.0075 |
| L-Valine | 0.046 | Insulin Recombinant Full Chain | 0.010 |
| Inorganic Salts | g/liter | Trace Elements | g/liter |
| CaCl ₂ (anhydrous) | 0.140 | Ammonium Metavanadate | 3X 10 ⁻⁷ |
| MgSO ₄ (anhydrous) | 0.098 | Sodium Selenite | 5X 10 ⁻⁶ |
| KCl | 0.4 | MnCl ₂ | 5X 10 ⁻⁸ |
| KH ₂ PO ₄ | 0.060 | Cupric Sulfate | 0.00000125 |
| Sodium Bicarbonate (NaHCO ₃) | 0.35 | Reducing Agents | g/liter |
| Sodium Chloride (NaCl) | 8.0 | Glutathione, monosodium | 0.001 |
| NaH ₂ PO ₄ (anhydrous) | 0.048 | | |

* Chromatographically purified with IgG content <=0.1.0%.