

| Description | CAS # | Chemical Formula | Concentration | | Molarity | |
|---|------------|--|---------------|-----------|-----------|-----------|
| | | | g/L | mg/L | mM | uM |
| Sodium Bicarbonate | 144-55-8 | NaHCO ₃ | 2.200 | 2.200E+03 | 26.187 | 2.619E+04 |
| Thymidine | 50-89-5 | C ₁₀ H ₁₄ N ₂ O ₅ | 1.000E-02 | 10.000 | 4.128E-02 | 41.283 |
| D-Glucose.H ₂ O | 14431-43-7 | C ₈ H ₁₂ O ₆ .H ₂ O | 1.100 | 1.100E+03 | 5.551 | 5.551E+03 |
| Phenol Red | 34487-61-1 | C ₁₉ H ₁₄ O ₅ S | 1.100E-02 | 11.000 | 2.922E-02 | 29.224 |
| Ultraglutamine I | 39537-23-0 | C ₈ H ₁₅ N ₃ O ₄ | 0.434 | 434.000 | 1.998 | 1.998E+03 |
| Cytidine | 65-46-3 | C ₉ H ₁₃ N ₃ O ₅ | 1.000E-02 | 10.000 | 4.112E-02 | 41.118 |
| Guanosine | 118-00-3 | C ₁₀ H ₁₃ N ₅ O ₅ | 1.000E-02 | 10.000 | 3.531E-02 | 35.311 |
| 2' Deoxyadenosine | 16373-93-6 | C ₁₀ H ₁₃ N ₅ O ₃ .H ₂ O | 1.070E-02 | 10.700 | 3.974E-02 | 39.739 |
| 2'-Deoxycytidine, Hydrochloride | 3992-42-5 | C ₉ H ₁₃ N ₃ O ₄ .HCl | 1.100E-02 | 11.000 | 4.172E-02 | 41.717 |
| 2'Deoxyguanosine.H ₂ O | 961-07-9 | C ₁₀ H ₁₃ N ₅ O ₄ .H ₂ O | 1.067E-02 | 10.674 | 3.742E-02 | 37.418 |
| Adenosine | 58-61-7 | C ₁₀ H ₁₃ N ₅ O ₄ | 1.000E-02 | 10.000 | 3.742E-02 | 37.420 |
| Uridine | 58-96-8 | C ₉ H ₁₂ N ₂ O ₆ | 1.000E-02 | 10.000 | 4.095E-02 | 40.950 |
| Potassium Chloride | 7447-40-7 | KCl | 0.400 | 400.000 | 5.366 | 5.366E+03 |
| Pyruvic Acid Sodium Salt | 113-24-6 | CH ₃ COCO ₂ Na | 0.110 | 110.000 | 1.000 | 9.996E+02 |
| L-Alanine | 56-41-7 | HO ₂ CCH(NH ₂)CH ₃ | 2.500E-02 | 25.000 | 0.281 | 280.615 |
| L-Arginine Monohydrochloride | 1119-34-2 | C ₆ H ₁₄ N ₄ O ₂ • HCl | 0.127 | 126.980 | 0.603 | 6.028E+02 |
| L-Asparagine Monohydrate | 5794-13-8 | NH ₂ COCH ₂ CH(NH ₂)COOH • H ₂ O | 0.050 | 50.000 | 0.333 | 333.045 |
| L-Aspartic Acid | 56-84-8 | HO ₂ CCH(NH ₂)CH ₂ CO ₂ H | 3.000E-02 | 30.000 | 0.225 | 225.394 |
| Glycine | 56-40-6 | HO ₂ CCH ₂ NH ₂ | 0.050 | 50.000 | 0.666 | 6.660E+02 |
| L-Glutamic Acid | 56-86-0 | C ₅ H ₉ NO ₄ | 0.075 | 75.000 | 0.510 | 5.099E+02 |
| L-Histidine Monohydrochloride Monohydrate | 5934-29-2 | C ₆ H ₉ N ₃ O ₂ • HCl • H ₂ O | 4.200E-02 | 42.000 | 0.200 | 200.382 |
| L-Isoleucine | 73-32-5 | HO ₂ CCH(NH ₂)CH(CH ₃)CH ₂ CH ₃ | 0.052 | 52.000 | 0.396 | 396.432 |
| L-Leucine | 61-90-5 | HO ₂ CCH(NH ₂)CH ₂ CH(CH ₃) ₂ | 0.052 | 52.000 | 0.396 | 396.432 |
| L-Lysine Monohydrochloride | 657-27-2 | C ₆ H ₁₄ N ₂ O ₂ • HCl | 0.072 | 72.460 | 0.397 | 396.715 |
| L-Methionine | 63-68-3 | HO ₂ CCH(NH ₂)CH ₂ CH ₂ SCH ₃ | 1.500E-02 | 15.000 | 0.101 | 100.536 |
| L-Phenylalanine | 63-91-2 | HO ₂ CCH(NH ₂)CH ₂ C ₆ H ₅ | 3.200E-02 | 32.000 | 0.194 | 193.716 |
| L-Serine | 56-45-1 | HO ₂ CCH(NH ₂)CH ₂ OH | 2.500E-02 | 25.000 | 0.238 | 237.891 |
| L-Threonine | 72-19-5 | HO ₂ CCH(NH ₂)CH(OH)CH ₃ | 4.800E-02 | 48.000 | 0.403 | 402.955 |
| L-Tryptophan | 73-22-3 | C ₁₁ H ₁₂ N ₂ O ₂ | 1.000E-02 | 10.000 | 4.896E-02 | 48.964 |
| L-Tyrosine | 60-18-4 | C ₉ H ₁₁ NO ₃ | 3.600E-02 | 36.000 | 0.199 | 198.686 |
| L-Valine | 72-18-4 | HO ₂ CCH(NH ₂)CH(CH ₃) ₂ | 4.600E-02 | 46.000 | 0.393 | 392.827 |
| L-Proline | 147-85-3 | C ₅ H ₉ NO ₂ | 4.000E-02 | 40.000 | 0.347 | 347.433 |
| D-Calcium Pantothenate (Vitamin B5) | 137-08-6 | C ₁₈ H ₃₂ CaN ₂ O ₁₀ | 1.000E-03 | 1.000 | 2.099E-03 | 2.099 |
| Folic Acid | 59-30-3 | C ₁₉ H ₁₉ N ₇ O ₆ | 1.000E-03 | 1.000 | 2.266E-03 | 2.266 |
| Myo-Inositol | 87-89-8 | C ₆ H ₁₂ O ₆ | 2.000E-03 | 2.000 | 1.110E-02 | 11.101 |
| Niacinamide (Nicotinamide) | 98-92-0 | C ₆ H ₆ N ₂ O | 1.000E-03 | 1.000 | 8.189E-03 | 8.189 |
| Pyridoxine Monohydrochloride | 58-56-0 | C ₈ H ₁₁ NO ₃ | 1.000E-03 | 1.000 | 4.864E-03 | 4.864 |
| Riboflavin (Vitamin B2) | 83-88-5 | C ₁₇ H ₂₀ N ₄ O ₆ | 1.000E-04 | 0.100 | 2.657E-04 | 0.266 |
| Thiamine Monohydrochloride (Vitamin B1) | 67-03-8 | C ₁₂ H ₁₈ N ₄ O ₅ Cl ₂ | 1.000E-03 | 1.000 | 2.965E-03 | 2.965 |
| D-Biotin (Vitamin H) (00129) | 58-85-5 | C ₁₀ H ₁₆ N ₂ O ₃ S | 1.000E-04 | 0.100 | 4.093E-04 | 0.409 |
| Cyanocobalamin (Vitamin B12) | 68-19-9 | C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P | 1.330E-03 | 1.330 | 9.813E-04 | 0.981 |
| DL-α-lipoic acid (thioctic acid) | 1077-28-7 | C ₈ H ₁₄ O ₂ S ₂ | 2.000E-04 | 0.200 | 9.693E-04 | 0.969 |
| Choline Chloride | 67-48-1 | HOCH ₂ CH ₂ N(CH ₃) ₃ Cl | 1.000E-03 | 1.000 | 7.162E-03 | 7.162 |
| DL-α-lipoic acid (thioctic acid) | 1077-28-7 | C ₈ H ₁₄ O ₂ S ₂ | 0.100 | 100.000 | 0.485 | 484.660 |
| L-Ascorbic Acid (Vitamin C) | 50-81-7 | C ₆ H ₈ O ₆ | 0.050 | 50.000 | 0.284 | 283.881 |
| L-Cysteine Monohydrochloride Monohydrate | 7048-04-6 | C ₃ H ₇ NO ₂ S • HCl • H ₂ O | 3.129E-02 | 31.290 | 0.178 | 178.189 |
| Calcium Chloride Anhydrous | 10043-52-4 | CaCl ₂ | 0.200 | 200.000 | 1.802 | 1.802E+03 |
| Magnesium Sulfate Anhydrous | 7487-88-9 | MgSO ₄ | 0.098 | 97.670 | 0.811 | 8.114E+02 |
| Sodium Phosphate Monobasic, Anhydrous | 7558-80-7 | NaH ₂ PO ₄ | 0.122 | 121.740 | 1.015 | 1.015E+03 |