

MCDB 131 Medium Ingredient Formula

| Ingredient | Concentration (mg/L) |
|--|----------------------|
| Inorganic Salt | |
| (NH ₄) ₆ Mo ₇ O ₂₄ •4H ₂ O | 0.0037 |
| NH ₄ VO ₃ | 0.0006 |
| CaCl ₂ (Anhydrous) | 177.5 |
| CuSO ₄ •5H ₂ O | 0.001249 |
| FeSO ₄ •7H ₂ O | 0.283 |
| MgSO ₄ (Anhydrous) | 1204 |
| MnSO ₄ •H ₂ O | 0.0002 |
| NiCl ₂ •6H ₂ O | 0.000071 |
| KCl | 298 |
| H ₂ SeO ₃ | 0.0038 |
| NaHCO ₃ | 1176 |
| NaCl | 6430 |
| NaSiO ₃ •9H ₂ O | 2.8 |
| Na ₂ HPO ₄ (Anhydrous) | 71 |
| ZnSO ₄ •7H ₂ O | 0.0003 |
| Amino Acid | |
| Glycine | 2.3 |
| L-Alanine | 2.7 |
| L-Arginine Hydrochloride | 63.2 |
| L-Asparagine Monohydrate | 15 |
| L-Aspartic Acid | 13.3 |
| L-Cysteine Hydrochloride | 35 |
| L-Glutamic Acid | 4.4 |
| L-Glutamine | – |
| L-Histidine Hydrochloride | 42 |
| L-Isoleucine | 66 |
| L-Leucine | 131 |
| L-Lysine Hydrochloride | 182 |
| L-Methionine | 15 |
| L-Phenylalanine | 33 |
| L-Proline | 11.5 |
| L-Serine | 32 |
| L-Threonine | 12 |
| L-Tryptophan | 4.1 |
| L-Tyrosine Disodium Salt | 22.52 |

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| L-Valine | 117 |
| Vitamin | |
| Biotin | 0.0073 |
| Choline Chloride | 14 |
| D-Calcium Pantothenate | 12 |
| Calcium Folate | 0.6 |
| Niacinamide | 6.1 |
| Pyridoxine Hydrochloride | 2.1 |
| Riboflavin | 0.0038 |
| Thiamine Hydrochlorid | 3.4 |
| Vitamin B12 | 0.0136 |
| Meso-inositol | 7.2 |
| Others | |
| D-Glucose | 1000 |
| Adenine | 0.135 |
| Lipoic Acid | 0.0021 |
| Putrescine Dihydrochloride | 0.0002 |
| Sodium Pyruvate | 110 |
| Phenol Red | 12.4 |