




Comparative Formulation

Orchid

|  Powdered Media | COP01 | KCP01 | LOP01 | OMP01 | OMP02 | OMP03 | OMP04 | OMP05 |
|---|-------|----------|-----------|-----------|-----------|-----------|-----------|----------|
| Amino Acids | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Glycine | | | 2.0000 | | | | | |
| Buffers | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| MES Buffer | | | | 1000.0000 | 1000.0000 | 1000.0000 | 1000.0000 | 500.0000 |
| Macronutrients | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Ammonium Nitrate | | 500.0000 | | 825.0000 | 825.0000 | 825.0000 | 825.0000 | 412.0000 |
| Ammonium Sulfate | | 500.0000 | 1000.0000 | | | | | |
| Calcium Chloride, Anhydrous | | | | 166.0000 | 166.0000 | 166.0000 | 166.0000 | 83.0000 |
| Calcium Nitrate, Tetrahydrate | | 347.2000 | 500.0000 | | | | | |
| Magnesium Sulfate, Anhydrous | | 122.1300 | 58.6270 | 90.3500 | 90.3500 | 90.3500 | 90.3500 | 75.1800 |
| Potassium Chloride | | 250.0000 | 1050.0000 | | | | | |
| Potassium Nitrate | | | | 950.0000 | 950.0000 | 950.0000 | 950.0000 | 475.0000 |
| Potassium Phosphate, Monobasic, Anhydrous | | 250.0000 | 135.0000 | 85.0000 | 85.0000 | 85.0000 | 85.0000 | 42.5000 |

| Powdered Media | | | |
|---|------------|----------|--|
| | OMP06 | VWP01 | |
| Buffers | | | |
| | mg/L | mg/L | |
| MES Buffer | 1000.0000 | | |
| Macronutrients | | | |
| | mg/L | mg/L | |
| Ammonium Nitrate | 825.0000 | | |
| Ammonium Sulfate | | 500.0000 | |
| Calcium Chloride, Anhydrous | 166.0000 | | |
| Calcium Phosphate, Tribasic | | 200.0000 | |
| Magnesium Sulfate, Anhydrous | 90.3500 | 122.1000 | |
| Potassium Nitrate | 950.0000 | 525.0000 | |
| Potassium Phosphate, Monobasic, Anhydrous | 85.0000 | 250.0000 | |
| Micronutrients | | | |
| | mg/L | mg/L | |
| Boric Acid | 3.1000 | | |
| Cobalt Chloride, Hexahydrate | 0.0125 | | |
| Cupric Sulfate, Pentahydrate | 0.0125 | | |
| EDTA, Disodium Salt, Dihydrate | 37.3000 | 37.2600 | |
| Ferrous Sulfate, Heptahydrate | 27.8500 | 27.8000 | |
| Manganese Sulfate, Monohydrate | 8.4500 | 5.0900 | |
| Molybdic Acid Sodium Salt, Dihydrate | 0.1250 | | |
| Potassium Iodide | 0.4150 | | |
| Zinc Sulfate, Heptahydrate | 5.3000 | | |
| Other Components | | | |
| | mg/L | mg/L | |
| Activated Charcoal | 2000.0000 | | |
| Meat Peptone | 2000.0000 | | |
| Sucrose | 20000.0000 | | |



Powdered Media

OMP06

VWP01

Vitamins

mg/L

mg/L

Myo-Inositol

100.0000

Nicotinic Acid

1.0000

Pyridoxine, Hydrochloride

1.0000

Thiamine, Hydrochloride

10.0000

0.4000