

## Product Information Sheet

### P668 Orchid Maintenance Medium Contains Charcoal, Without Agar

#### Properties

|                                 |  |
|---------------------------------|--|
| Form:                           | Powder   |
| Appearance:                     | Gray powder  |
| Application:                    | Orchid Culture   |
| Solubility:                     | Partially Soluble in Water   |
| Typical Working Concentration:  | 27.31 g/L  |
| Storage Temp:                   | 2 – 6° C   |
| Storage Temp of Stock Solution: | Preparation of concentrated solutions is not recommended as insoluble precipitates may form. |
| Other Notes:                    | pH = 4.75 – 5.75   |

#### Formula

(mg/L)

|  |        |
|--|--------|
| Ammonium Nitrate                               | 825    |
| Boric Acid                                     | 3.1    |
| Calcium Chloride, Anhydrous                    | 166    |
| Cobalt Chloride•6H <sub>2</sub> O              | 0.0125 |
| Cupric Sulfate•5H <sub>2</sub> O               | 0.0125 |
| Na <sub>2</sub> EDTA•2H <sub>2</sub> O         | 37.3   |
| Ferrous Sulfate•7H <sub>2</sub> O              | 27.85  |
| Magnesium Sulfate, Anhydrous                   | 90.35  |
| Manganese Sulfate•H <sub>2</sub> O             | 8.45   |
| Molybdic Acid (Sodium Salt) •2H <sub>2</sub> O | 0.125  |
| Potassium Iodide                               | 0.415  |
| Potassium Nitrate                              | 950    |

|                                |        |
|--------------------------------|--------|
| Potassium Phosphate, Monobasic | 85     |
| Zinc Sulfate•7H <sub>2</sub> O | 5.3    |
| Activated Charcoal             | 2000   |
| MES (Free Acid)                | 1000   |
| myo-Inositol                   | 100    |
| Nicotinic Acid (Free Acid)     | 1      |
| Peptone from Meat              | 2000   |
| Pyridoxine•HCl                 | 1      |
| Sucrose                        | 20,000 |
| Thiamine•HCl                   | 10     |

#### Application Notes

Plant Tissue Culture Tested

Plant species: Many epiphytic orchid species

This medium was originally developed for the culture of Phalaenopsis stem props. It is now widely used as a seed sowing and replate medium for many epiphytic orchid species.

#### India Contact

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