

P668 Orchid Maintenance Medium Contains Charcoal, Without Agar

Properties

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| 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

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

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| Potassium Phosphate, Monobasic | 85 |
| Zinc Sulfate•7H ₂ 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 replant medium for many epiphytic orchid species.

References

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