

Fast Terrestrial Orchid Medium

Properties

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| Form: | Powder |
| Appearance: | Cream to Tan powder |
| Application: | Orchid Culture |
| Solubility: | Partially Soluble in Water |
| Typical Working Concentration: | 27.84 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: | Contains the macro-and micronutrients, vitamins, sucrose fructose, agar, and supplements required to culture terrestrial orchids. Adjust pH to 5.2 – 6.0 |

Formula (mg/L)

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| Ammonium Nitrate | 167.00 |
| Aluminum Chloride, Hexahydrate | 0.03 |
| Boric Acid | 1.00 |
| Calcium Nitrate | 40.10 |
| Cupric Sulfate, Pentahydrate | 0.03 |
| FeNa-EDTA | 17.00 |
| Ferric Chloride, Hexahydrate | 1.00 |
| Magnesium Sulfate, Anhydrous | 19.80 |
| Manganese Sulfate, Monohydrate | 0.80 |
| Nickel Chloride, Hexahydrate | 0.03 |
| Potassium Chloride | 167.00 |

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| Potassium Iodide | 0.01 |
| Potassium Phosphate, Dibasic | 83.00 |
| Zinc Sulfate, Heptahydrate | 1.00 |
| Agar | 7,000.00 |
| d-Biotin | 0.01 |
| Fructose | 5,000.00 |
| Nicotinic Acid | 0.10 |
| Peptone, from Meat | 1,670.00 |
| Sucrose | 11,670.00 |
| Yeast Extract | 2,000.00 |

Application Notes

Plant Tissue Culture Tested

Plant species: Cypripedium, Calypso, and other temperate terrestrial orchid species

References

Fast, 1974. *Die Orchidee*. 25: 125-129. Cited in Rasmussen, H. 1995. *Terrestrial Orchids from Seed to Mycotrophic Plant*. Cambridge Univ Press, Cambridge.

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