

Product Information Sheet

T842

Terrestrial (Cypripedium) Orchid Medium

Properties

| | |
|---------------------------------|---|
| Form: | Powder |
| Appearance: | White to Yellow powder |
| Application: | Orchid Culture |
| Solubility: | Partially Soluble in Water |
| Typical Working Concentration: | 27.44 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 a modification of the macro- and micronutrients, glucose, and agar as described by Steele (1996) Contains 600 mg/L Calcium Nitrate and 200 mg/L Casein Without Ammonium Nitrate pH = 4.75 – 5.75 |

Formula

| | | | |
|--|-------|--------------------------------|--------|
| Ammonium Citrate | 19 | Potassium Iodide | 0.1 |
| Boric Acid | 0.5 | Potassium Nitrate | 200 |
| Calcium Nitrate | 600 | Potassium Phosphate, Monobasic | 200 |
| Cupric Sulfate•5H ₂ O | 0.025 | Zinc Sulfate•7H ₂ O | 0.5 |
| Ferric Ammonium Citrate | 25 | Agar | 6000 |
| Magnesium Sulfate, Anhydrous | 97.69 | Casein, Enzymatic Hydrolysate | 200 |
| Manganese Sulfate•H ₂ O | 1.54 | D-Glucose | 20,000 |
| Molybdic Acid, Sodium Salt•2H ₂ O | 0.02 | | |
| Potassium Chloride | 100 | | |

Application Notes

Plant Tissue Culture Tested

Plant species: Cypripedium and other terrestrial orchid species

References

Steele, WK. 1949. In: C. Allen, Editor, North American Native Terrestrial Orchids. Propagation and Production Conf. Proc., pp 11-26.

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India Contact

Life Technologies (India) Pvt Ltd.

306, Agarwal City Mall, Road 44, Pitampura, Delhi - 110034 (India)

T842-Info

Tel: +91-11-4220-8000; 4220-8111; 4220-8222 Fax: +91-11-4220-8444, Mobile: +91-98105-21400

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Email - customerservice@lifetechindia.com | customerservice@atzlabs.com