

**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
Boric Acid	0.5
Calcium Nitrate	600
Cupric Sulfate•5H <sub>2</sub> O	0.025
Ferric Ammonium Citrate	25
Magnesium Sulfate, Anhydrous	97.69
Manganese Sulfate•H <sub>2</sub> O	1.54
Molybdc Acid, Sodium Salt•2H <sub>2</sub> O	0.02
Potassium Chloride	100

Potassium Iodide	0.1
Potassium Nitrate	200
Potassium Phosphate, Monobasic	200
Zinc Sulfate•7H <sub>2</sub> O	0.5
Agar	6000
Casein, Enzymatic Hydrolysate	200
D-Glucose	20,000

**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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