

**T849**

## Terrestrial (Cypripedium) Orchid Medium Mother Flasking Medium V

**Properties:**

Form: Powder  
 Appearance: White to Yellow powder  
 Application: Orchid Culture  
 Solubility: Partially Soluble in Water  
 Typical Working Concentration: 28.44 g/L  
 Storage Temp: 2-8°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, glucose, and agar as described by Steele (1996)  
 Contains 400 mg/L Calcium Nitrate  
 Without Casein

**Formula [mg/L]:**

Ammonium Citrate	19
Ammonium Nitrate	1400
Boric Acid	0.5
Calcium Nitrate	400
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
Molybdcic 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
D-Glucose	20,000

**Application Notes:**

Plant Tissue Culture Tested

Plant species: Cypripedium and other terrestrial orchid species

Developed for germination and growth *Cypripedium reginae* (Harvais 1982), and has been used with other *Cypripedium* sp. (Steele 1996).

**References:**

Harvais G (1982) An improved culture medium for growing the orchid *Cypripedium reginae* axenically. *Can. J. Bot.* 60(12):2547-2555

Steele, WK. (1996). Large Scale Seedling Production of North American Cypripedium Species. In: C. Allen, Editor, North American Native Terrestrial Orchids. Propagation and Production Conf. Proc., May 16 & 17, 1996. pp 11-26.

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