

T839

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 400 mg/L Calcium Nitrate and 400 mg/L Casein Without Ammonium Nitrate
 pH = 5.0 – 6.0

Formula

Ammonium Citrate	19
Boric Acid	0.5
Calcium Nitrate	400
Cupric Sulfate•5H ₂ O	0.025
Ferric Ammonium Citrate	25
Magnesium Sulfate, Anhydrous	97.69
Manganese Sulfate•H ₂ O	1.54
Molybdic Acid, Sodium Salt•2H ₂ O	0.02
Potassium Chloride	100

Potassium Iodide	0.1
Potassium Nitrate	200
Potassium Phosphate, Monobasic	200
Zinc Sulfate•7H ₂ O	0.5
Agar	6000
Casein, Enzymatic Hydrolysate	400
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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