

F522

Fast Terrestrial Orchid Medium

Properties:

Form: Powder
 Appearance: Cream to Tan powder
 Application: Orchid Culture
 Solubility: Partially Soluble in Water
 Typical Working Concentration: 27.84 g/L
 Storage Temp: 2-8°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, vitamins, sucrose, fructose, agar and supplements required to culture terrestrial orchids.
 Adjust pH to 5.2 – 6.0. Plant Tissue Culture Tested

Formula [mg/L]:

Aluminum Chloride, Hexahydrate	0.03
Ammonium Nitrate	167
Boric Acid	1
Calcium Nitrate	40.1
Cupric Sulfate, Pentahydrate	0.03
FeNa-EDTA	17
Ferric Chloride, Hexahydrate	1
Magnesium Sulfate, Anhydrous	19.8
Manganese Sulfate, Monohydrate	0.8
Nickel Chloride, Hexahydrate	0.03
Potassium Chloride	167

Potassium Iodide	0.01
Potassium Phosphate, Dibasic	83
Zinc Sulfate, Heptahydrate	1
Agar	7000
d-Biotin	0.01
Fructose	5000
Nicotinic Acid	0.1
Peptone, from Meat	1670
Sucrose	11670
Yeast Extract	2000

Application Notes:

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

References:

Fast (1974) Über eine Methode der kombinierten generativen-vegetativen Vermehrung von *Cypripedium calceolus*. *Die Orchidee*. 25: 125-129.

Rasmussen (1995) *Terrestrial Orchids from Seed to Mycotrophic Plant*. Appendix A:368 Cambridge Univ Press, Cambridge.

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