



Product Information Sheet

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 – 6 °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. *Die Orchidee*. 25: 125-129. Cited in Rasmussen, H. 1995. *Terrestrial Orchids from Seed to Mycotrophic Plant*. Cambridge Univ Press, Cambridge.

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