

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

Formula (mg/L)

Ammonium Nitrate	167.00
Aluminum Chloride, Hexahydrate	0.03
Boric Acid	1.00
Calcium Nitrate	40.10
Cupric Sulfate, Pentahydrate	0.03
FeNa-EDTA	17.00
Ferric Chloride, Hexahydrate	1.00
Magnesium Sulfate, Anhydrous	19.80
Manganese Sulfate, Monohydrate	0.80
Nickel Chloride, Hexahydrate	0.03
Potassium Chloride	167.00

Potassium Iodide	0.01
Potassium Phosphate, Dibasic	83.00
Zinc Sulfate, Heptahydrate	1.00
Agar	7,000.00
d-Biotin	0.01
Fructose	5,000.00
Nicotinic Acid	0.10
Peptone, from Meat	1,670.00
Sucrose	11,670.00
Yeast Extract	2,000.00

Application Notes

Plant Tissue Culture Tested

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.

Revised 2/2009