Product Information Sheet

P748
Orchid Maintenance/Replate Medium Contains Banana, Charcoal, and Agar Replate Medium I

Properties

Form:	Powder
Appearance:	Gray powder
Application:	Orchid Culture
Solubility:	Partially Soluble in Water
Typical Working Concentration:	64.31 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:	pH = 4.5 – 5.5

Formula

Ammonium Nitrate	825
Boric Acid	3.1
Calcium Chloride, Anhydrous	166
Cobalt Chloride•6H_2O	0.0125
Cupric Sulfate•5H_2O	0.0125
Na2 EDTA•2H_2O	37.3
Ferrous Sulfate•7H_2O	27.85
Magnesium Sulfate, Anhydrous	90.35
Manganese Sulfate•H_2O	8.45
Molybdic Acid (Sodium Salt) •2H_2O	0.125
Potassium Iodide	0.415
Potassium Nitrate	950
Potassium Phosphate, Monobasic	85

Zinc Sulfate•7H_2O	5.3
Activated Charcoal	2000
Agar	7000
Banana Powder	30,000
MES (Free Acid)	1000
myo-Inositol	100
Nicotinic Acid (Free Acid)	1
Peptone from Meat	2000
Pyridoxine•HCl	1
Sucrose	20,000
Thiamine•HCl	10

Application Notes

Plant Tissue Culture Tested
Plant species: Many epiphytic orchid species
This medium is a modification of our original orchid replate medium (P668). It is a complete replate medium containing banana powder to promote growth & rooting, and a gelling agent (agar) for physical support. This medium should be pH adjusted prior to sterilization.

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Phyto Technology Laboratories, LLC
P.O. Box 12205; Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 or 913-341-5343; Fax: 1-888-449-8682 or 913-341-5442
Web Site: www.phytotechlab.com
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