

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	Zinc Sulfate•7H ₂ O	5.3
Boric Acid	3.1	Activated Charcoal	2000
Calcium Chloride, Anhydrous	166	Agar	7000
Cobalt Chloride•6H ₂ O	0.0125	Banana Powder	30,000
Cupric Sulfate•5H ₂ O	0.0125	MES (Free Acid)	1000
Na ₂ EDTA•2H ₂ O	37.3	myo-Inositol	100
Ferrous Sulfate•7H ₂ O	27.85	Nicotinic Acid (Free Acid)	1
Magnesium Sulfate, Anhydrous	90.35	Peptone from Meat	2000
Manganese Sulfate•H ₂ O	8.45	Pyridoxine•HCl	1
Molybdc Acid (Sodium Salt) •2H ₂ O	0.125	Sucrose	20,000
Potassium Iodide	0.415	Thiamine•HCl	10
Potassium Nitrate	950		
Potassium Phosphate, Monobasic	85		

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.

Revised 2/2007