

**O753**  
**Orchid Multiplication Medium**  
**Contains Agar, Without Charcoal**  
**Mother Flasking Medium III**

**Properties**

Form:	Powder
Appearance:	White to Yellow powder
Application:	Orchid Culture
Solubility:	Hot Water
Typical Working Concentration:	32.30 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 = 4.75 – 5.75

**Formula**

Ammonium Nitrate	825
Boric Acid	3.1
Calcium Chloride, Anhydrous	166
Cobalt Chloride•6H <sub>2</sub> O	0.0125
Cupric Sulfate•5H <sub>2</sub> O	0.0125
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	37.3
Ferrous Sulfate•7H <sub>2</sub> O	27.85
Magnesium Sulfate, Anhydrous	90.35
Manganese Sulfate•H <sub>2</sub> O	8.45
Molybdcic Acid, Sodium Salt•2H <sub>2</sub> O	0.125
Potassium Iodide	0.415
Potassium Nitrate	950
Potassium Phosphate, Monobasic	85

Zinc Sulfate•7H <sub>2</sub> O	5.3
Agar	7000
6-Benzylaminopurine (BA)	2.0
MES (Free Acid)	1000
myo-Inositol	100
-Naphthaleneacetic Acid	0.5
Nicotinic Acid (Free Acid)	0.5
Peptone from Meat	2000
Pyridoxine•HCl	0.5
Sucrose	20,000
Thiamine•HCl	1

**Application Notes**

Plant Tissue Culture Tested

Plant species: Many epiphytic orchid species

This medium is a modification of our Orchid Multiplication Medium (P723) by the deletion of charcoal. This medium should work well for the propagation of Phalaenopsis and Dendrobium stem props.

Revised 2/2007