Product Information Sheet

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•$6H_2O$	0.0125
Cupric Sulfate•$5H_2O$	0.0125
Na_2 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
Agar	7000
6-Benzylaminopurine (BA)	2.0
MES (Free Acid)	1000
myo-Inositol	100
α-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.

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