Product Information Sheet

P793
Orchid Multiplication Medium Without Charcoal and Agar

Properties

Form:	Powder
Appearance:	White to Yellow powder
Application:	Orchid Culture
Solubility:	Water
Typical Working Concentration:	25.30 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
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 and agar. It was originally developed for the multiplication of plantlets from Phaleonopsis flower stem nodal segments. This medium when used in combination with Orchid Maintenance/ Replate Medium (P668 or P748) provides a complete plant propagation cycle. This medium has been used for protocorm production of Cattley and Cymbidium species.
The pH of this medium should be adjusted after adding a gelling agent and prior to sterilization.

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