Product Information Sheet

P723
Orchid Seed Sowing Medium Contains Charcoal and Agar Mother Flasking Medium II

Properties

Form:	Powder
Appearance:	Gray Powder
Application:	Orchid Culture
Solubility:	Partially Soluble in Water
Typical Working Concentration:	32.74 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 = 5.25 – 6.25

Formula

Ammonium Nitrate	412.5
Boric Acid	1.65
Calcium Chloride, Anhydrous	83
Cobalt Chloride•$6H_2O$	0.0063
Cupric Sulfate•$5H_2O$	0.0063
Na_2 EDTA•$2H_2O$	18.65
Ferrous Sulfate•$7H_2O$	13.93
Magnesium Sulfate, Anhydrous	75.18
Manganese Sulfate•H_2O	4.23
Molybdic Acid, Sodium Salt•$2H_2O$	0.0625
Potassium Iodide	0.2075
Potassium Nitrate	475

Potassium Phosphate, Monobasic	42.5
Zinc Sulfate•$7H_2O$	2.65
Activated Charcoal	1000
Agar	8000
MES (Free Acid)	500
myo-Inositol	100
Nicotinic Acid (Free Acid)	1
Peptone from Meat	2000
Pyridoxine•HCI	1
Sucrose	20,000
Thiamine•HCI	10

Application Notes

Plant Tissue Culture Tested
Plant species: Phaleonopsis, Epiphytic orchids
This mediu is a modification of P668 which has shown to be too strongas a seed propagation medium. This medium is modified by reducing the major inorganic salts by ½X. The reduction of salts help promote the germination of seed of many epiphytic & terrestrial species.
Germination may be enhanced by adding 50 mo of coconut water (C195) per liter of medium.

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