*Phyto*Technology Laboratories®
Helping to Build a Better Tomorrow through Plant Science™

Product Information Sheet

P727
Orchid Seed Sowing Medium
Contains Agar, Without Charcoal

Properties

Form:	Powder
Appearance:	Off-white to Cream Powder
Application:	Orchid Culture
Solubility:	Hot Water
Typical Working Concentration:	31.74 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:	The pH of this medium should be adjusted prior to sterilization.

Formula (mg/L)

Component	mg/L	Component	mg/L
Ammonium Nitrate	412.5	Potassium Phosphate, Monobasic	42.5
Boric Acid	1.65	Zinc Sulfate•7H_2O	2.65
Calcium Chloride, Anhydrous	83	Agar	8000
Cobalt Chloride•6H_2O	0.0063	MES (Free Acid)	500
Cupric Sulfate•5H_2O	0.0063	myo-Inositol	100
Na_2 EDTA•2H_2O	18.65	Nicotinic Acid (Free Acid)	1
Ferrous Sulfate•7H_2O	13.93	Peptone from Meat	2000
Magnesium Sulfate, Anhydrous	75.18	Pyridoxine•HCl	1
Manganese Sulfate•H_2O	4.23	Sucrose	20,000
Molybdic Acid, Sodium Salt•2H_2O	0.0625	Thiamine•HCl	10
Potassium Iodide	0.2075		
Potassium Nitrate	475		

Application Notes

Plant Tissue Culture Tested
Plant species: Phalaenopsis, Epiphytic orchids
This medium is a modification of P723 Orchid Seed Sowing Medium, except charcoal has been eliminated, and is best suited for species that do not produce phenolics.
This medium may be used for some terrestrial orchid species by preparing the medium at ½ strength and supplementing it with 50 ml of coconut water per liter. Approximately 4 g/L of agar should also be added.

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