Product Information Sheet

O156
Orchid Maintenance Medium
Contains Banana and Charcoal, Without Agar

Properties

Form:	Powder
Appearance:	Gray powder
Application:	Orchid Culture
Solubility:	Partially Soluble in Water
Typical Working Concentration:	57.31 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 = 4.5 – 5.5

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
Activated Charcoal	2000
Banana Powder	30000
MES (Free Acid)	1000
myo-Inositol	100
Nicotinic Acid (Free Acid)	1
Peptone from Meat	2000
Pyridoxine•HCl	1
Sucrose	20000
Thiamine•HCl	10

Application Notes

Plant Tissue Culture Tested
Plant species: Epiphytic orchid species
This medium is a modification of our Orchid Maintenance/Replate Medium (P748). It lacks a gelling agent to permit its use in a liquid culture system. This medium contains banana powder to promote growth and rooting. The pH of this medium should be adjusted after adding the gelling agent and prior to sterilization

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