Product Information Sheet

M507
Murashige Cattleya Orchid Multiplication Medium

Properties

Form:	Powder
Appearance:	White to Yellow powder
Application:	Orchid Culture
Solubility:	Water
Typical Working Concentration:	24.57 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:	Contains the macro- and micronutrients as described by Murashige and Skoog (1962). pH = 2.75 – 3.75

Formula

Ammonium Nitrate	1650
Boric Acid	6.2
Calcium Chloride, Anhydrous	333
Cobalt Chloride•$6H_2O$	0.025
Cupric Sulfate•$5H_2O$	0.025
Ferric Sodium EDTA	36.7
Magnesium Sulfate, Anhydrous	181
Manganese Sulfate•H_2O	16.9
Molybdic Acid (Sodium Salt) •$2H_2O$	0.25
Potassium Iodide	0.83
Potassium Nitrate	1900
Potassium Phosphate, Monobasic	170

Zinc Sulfate•$7H_2O$	8.6
Citric Acid (Free Acid) Anhydrous	150
Glycine (Free Base)	2
Indole-3-acetic Acid	0.3
Indole-3-butyric Acid	1.75
myo-Inositol	100
a-Naphthaleneacetic Acid	1.75
Nicotinic Acid (Free Acid)	0.5
Pyridoxine•HCl	0.5
Sucrose	20,000
Thiamine•HCl	10

Application Notes
Plant Tissue Culture Tested
Plant species: Cattleya and other epiphytic orchids

References
Murashige, T and F Skoog. 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures. Physiol. Plant. 15: 473-497.

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