Product Information Sheet

V895
Vacin & Went Modified Orchid Medium
Mother Flasking Medium I

Properties

Form:	Powder
Appearance:	White to Off-White powder
Application:	Orchid Culture
Solubility:	Hot Water
Typical Working Concentration:	28.67 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 Vacin and Went (1949) modified with an equivalent iron molar concentration of ferrous sulfate in place of ferric tartrate. Contains Agar & Sucrose

Formula

Ammonium Sulfate	500
Calcium Phosphate, Tribasic	200
Na_2 EDTA•$2H_2O$	37.26
Ferrous Sulfate•$7H_2O$	27.8
Magnesium Sulfate, Anhydrous	122.1
Manganese Sulfate•H_2O	5.0875

Potassium Nitrate	525
Potassium Phosphate, Monobasic	250
Agar	7000
Sucrose	20,000
Thiamine•HCl	0.4

Application Notes
Plant Tissue Culture Tested

References
Vacin, EF and EW Went. 1949. Bot. Gaz. 110: 605-613.

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