

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 ₂ O	37.26
Ferrous Sulfate•7H ₂ O	27.8
Magnesium Sulfate, Anhydrous	122.1
Manganese Sulfate•H ₂ O	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.

Revised 3/2007