

V505
Vacin & Went Modified Orchid
Basal Salt Mixture

Properties

Form:	Powder
Appearance:	White to Off-White powder
Application:	Orchid Culture
Solubility:	Water
Typical Working Concentration:	1.67 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. pH = 5.25 – 6.25

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

Application Notes

Plant Tissue Culture Tested
Originally developed for the germination of orchid seeds.

References

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

Revised 3/2007