

**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 <sub>2</sub> EDTA•2H <sub>2</sub> O	37.26
Ferrous Sulfate•7H <sub>2</sub> O	27.8
Magnesium Sulfate, Anhydrous	122.1
Manganese Sulfate•H <sub>2</sub> 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