

**V891**

**Vacin & Went Modified Orchid Medium**

**Properties**

|                                 |   |
|---------------------------------|---|
| Form:                           | Powder  |
| Appearance:                     | White to Off-White powder   |
| Application:                    | Orchid Culture  |
| Solubility:                     | Water   |
| Typical Working Concentration:  | 21.67 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.<br>Contains Sucrose |

**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    |
| 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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