

V505
Vacin & Went Modified Orchid
Basal Salt Mixture

Properties

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| 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

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| 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