

Product Information Sheet

B142 BM-2 Terrestrial Orchid Medium

Properties

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| Form: | Powder |
| Appearance: | White to Cream |
| Application: | Plant Tissue Culture |
| Solubility: | Fully Soluble in Hot Water, Partially Soluble in Cold Water |
| Typical Working Concentration: | 27.22 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: | Same formulation as B141 with 0.2 mg/L BA; contains agar. Unadjusted pH = 5.0 – 6.0 BM-2 differs from BM Medium in that it (BM-2) has no inorganic nitrogen and it contains hydrolyzed casein, L-glutamine, and 6-Benzylaminopurine (BA). |

Formula

(mg/L)

| | |
|---|-------|
| Boric Acid | 10 |
| Cobalt Chloride•6H ₂ O | 0.025 |
| Cupric Sulfate•5H ₂ O | 0.025 |
| Na ₂ EDTA•2H ₂ O | 37.25 |
| Ferrous Sulfate•7H ₂ O | 27.85 |
| Magnesium Sulfate, Anhydrous | 100 |
| Manganese Sulfate•H ₂ O | 25 |
| Molybdcic Acid (Sodium Salt) •2H ₂ O | 0.25 |
| Potassium Phosphate, Monobasic | 300 |
| Zinc Sulfate•7H ₂ O | 10 |
| Agar | 6,000 |
| 6-Benzylaminopurine (BA) | 0.2 |

| | |
|-------------------------------|--------|
| D-Biotin | 0.05 |
| Casein, Enzymatic Hydrolysate | 500 |
| Folic Acid | 0.5 |
| L-Glutamine | 100 |
| Glycine (Free Base) | 2 |
| myo-Inositol | 100 |
| Nicotinic Acid (Free Acid) | 5 |
| Pyridoxine•HCl | 0.5 |
| Sucrose | 20,000 |
| Thiamine•HCl | 0.5 |

Application Notes

Plant Tissue Culture Tested

Especially suited for terrestrial orchids Paphiopedilum and Phragmipedium.

References

According to "The Orchid Seedbank Project" this was originally cited by Van Waes, 1984. In vitro studie van de kiemingsfysiologie van Westeuropese orchideeën. Thesis. Rijkuniversiteit Gent.

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