



## Product Information Sheet

# B142 BM-2 Terrestrial Orchid Medium

### Properties

|                                 |  |
|---------------------------------|--|
| Form:                           | Powder   |
| Appearance:                     | White to Cream Powder  |
| Application:                    | Plant Tissue Culture   |
| Solubility:                     | Water  |
| Typical Working Concentration:  | 27.22 g/L  |
| Storage Temp:                   | 2-6°   |
| 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.<br>Unadjusted pH = 5.0 – 6.0<br>BM-2 differs from BM Medium in that it (BM-2) has no inorganic nitrogen and it contains hydrolyzed casein and L-glutamine, and BA. |

### Formula (mg/L)

|   |       |
|---|-------|
| Boric Acid                                      | 10    |
| Cobalt Chloride•6H <sub>2</sub> O               | 0.025 |
| Cupric Sulfate•5H <sub>2</sub> O                | 0.025 |
| Na <sub>2</sub> EDTA•2H <sub>2</sub> O          | 37.25 |
| Ferrous Sulfate•7H <sub>2</sub> O               | 27.85 |
| Magnesium Sulfate, Anhydrous                    | 100   |
| Manganese Sulfate•H <sub>2</sub> O              | 25    |
| Molybdcic Acid (Sodium Salt) •2H <sub>2</sub> O | 0.25  |
| Potassium Phosphate, Monobasic                  | 300   |
| Zinc Sulfate•7H <sub>2</sub> O                  | 10    |
| Agar  | 6000  |
| 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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### PhytoTechnology Laboratories®

P.O. Box 12205; Shawnee Mission, KS 66282-2205

Phone: 1-888-749-8682 or 913-341-5343; Fax: 1-888-449-8682 or 913-341-5442

Web Site: [www.phytotechlab.com](http://www.phytotechlab.com)

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