



## Product Information Sheet

# B470 BM-2 Terrestrial Orchid Medium w/out Agar

### Properties

Form:	Powder
Appearance:	White to Cream
Application:	Plant Tissue Culture
Solubility:	Soluble in Water
Typical Working Concentration:	21.22 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 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 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
Molybdc Acid (Sodium Salt) •2H <sub>2</sub> O	0.25
Potassium Phosphate, Monobasic	300
Zinc Sulfate•7H <sub>2</sub> O	10
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.

Well suited for the 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.

Revised 2/2013

### 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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