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. 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 and L-glutamine, and BA.

Formula (mg/L)

Boric Acid	10
Cobalt Chloride•6H_2O	0.025
Cupric Sulfate•5H_2O	0.025
Na_2 EDTA•2H_2O	37.25
Ferrous Sulfate•7H_2O	27.85
Magnesium Sulfate, Anhydrous	100
Manganese Sulfate•H_2O	25
Molybdic Acid (Sodium Salt) •2H_2O	0.25
Potassium Phosphate, Monobasic	300
Zinc Sulfate•7H_2O	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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