

B141
BM-1 Terrestrial Orchid Medium
w/ Agar

Properties:

Form: Powder
 Appearance: White to Cream Colored Powder
 Application: Plant Tissue Culture
 Solubility: Water
 Typical Working Concentration: 26.22 g/L
 Storage Temp: 2-8°C
 Storage Temp of Stock Solution: Contains the macro- and micronutrients, vitamins, and plant growth regulators required to culture orchids.
 Preparation of concentrated solutions is not recommended as insoluble precipitates may form.
 Other Notes: Same formulation as B138 with Agar.

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
Molybdic Acid (Sodium Salt) •2H ₂ O	0.25
Potassium Phosphate, Monobasic	300
Zinc Sulfate•7H ₂ O	10
Agar	5000

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*.

Seed germination may be enhanced by the addition of 50 mL/L Coconut Water (Prod. No. C195).

References:

Van Waes and Debergh (1986). In vitro germination of some Western European orchids. *Physiol. Plant.* 67:253-261.

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