



## Product Information Sheet

**M517**

### **Murashige Modified African Violet/ Gloxinia Multiplication Basal Medium**

#### **Properties**

Form: Fine to Fluffy Powder  
Appearance: White to Yellow Powder  
Application: Plant Tissue Culture  
Solubility: Water  
Typical Working Concentration: 4.66 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: Contains the macro- and micronutrients as described by Murashige and Skoog (1962) and the vitamins described by Linsmaier and Skoog (1965). Also contains (mg/L): 170 Sodium Phosphate Monobasic, 2.0 IAA, 2.0 Kinetin, and Ferric Sodium EDTA in place of Ferrous Sulfate and Disodium EDTA.

#### **Formula (mg/L)**

Ammonium Nitrate	1650
Boric Acid	6.2
Calcium Chloride, Anhydrous	333
Cobalt Chloride•6H <sub>2</sub> O	0.025
Cupric Sulfate•5H <sub>2</sub> O	0.025
Ferric Sodium EDTA	36.7
Magnesium Sulfate, Anhydrous	181
Manganese Sulfate•H <sub>2</sub> O	16.9
Molybdcic Acid (Sodium Salt)• 2H <sub>2</sub> O	0.25
Potassium Iodide	0.83

Potassium Nitrate	1900
Potassium Phosphate, Monobasic	170
Sodium Phosphate, Monobasic	170
Zinc Sulfate•7H <sub>2</sub> O	8.6
Adenine Hemisulfate	80
Indoleacetic Acid	2.0
Kinetin	2.0
myo-Inositol	100
Thiamine•HCl	0.4

#### **Application Notes**

Plant Tissue Culture Tested

Plant species: Saintpaulia (African violet); Gloxinia

#### **References**

Murashige, T and F Skoog. 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures. *Physiol. Plant.* 15: 473-497.

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Linsmaier, EM and F Skoog. 1965. Organic growth factor requirements of tobacco tissue cultures. *Physiol. Plant.* 18: 100-127.

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