Page 1 of 1

170

990

8.6

2 100

0.5

0.5

1

Please Note: While PhytoTechnology Laboratories® tests each lot of this product with two or more plant cell/ tissue culture lines, it is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

References:

Lloyd G and BH McCown (1981) Commercially-feasible micropropagation of Mountain Laurel, Kalmia latifolia, by shoot tip culture. Proc. Int. Plant Prop. Soc. Vol. 30:421-427

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 © 2017 PhytoTechnology Laboratories, LLC Web Site: www.phytotechlab.com

This medium was originally developed for the culture of shoot tips of Mt. Laurel. The medium has since become a standard for the culture of many woody plant species. Potassium nitrate has been eliminated from this medium and replaced with potassium sulfate. The levels of ammonium nitrate are ¼ X compared to MS. Nitrogen is also provided by calcium nitrate.

Preparation of concentrated solutions is not recommended as insoluble precipitates may

Contains the macro- and micronutrients and vitamins as described by Lloyd and McCown

PhytoTechnology Laboratories® also carries Lloyd & McCown Woody Plant Basal Mixture (without vitamins) Product No. L154.

Plant species: Kalmia latifolia (Mountain Laurel), Rhododendron spp.

Boric Acid	6.2	Potassium Sulfate
Calcium Chloride, Anhydrous	72.5	Zinc Sulfate•7H ₂ O
Calcium Nitrate	386	Glycine (Free Base)
Cupric Sulfate•5H ₂ O	0.25	myo-Inositol
Na ₂ EDTA•2H ₂ O	37.3	Nicotinic Acid (Free Acid)
Ferrous Sulfate•7H ₂ O	27.85	Pyridoxine•HCI
Magnesium Sulfate, Anhydrous	180.7	Thiamine•HCI
Manganese Sulfate•H ₂ O	22.3	
Molybdic Acid (Sodium Salt) •2H ₂ O	0.25	
Application Notes:		

400

L449 Lloyd & McCown Woody Plant **Basal Medium with Vitamins**

Product Information Sheet



Properties:

Synonym:

Solubility:

Typical Working

Storage Temp of

Formula [mg/L]:

Stock Solution:

Other Notes:

Concentration: Storage Temp:

Form: Appearance:

WPM w/ Vitamins

White to Yellow Powder

Powder

Application: Plant Tissue Culture

Water

2-8°C

form.

(1981).pH = 3.5 - 4.5

Ammonium Nitrate

2.41 g/L

PhytoTechnology Laboratories®

Helping to Build a Better Tomorrow through Plant Science™

Potassium Phosphate, Monobasic