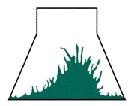
PhytoTechnology Laboratories, LLC™





Product Information Sheet

M153
Murashige & Skoog (MS)
Modified Basal Salt Mixture
(1/2x Macros & Micros)

Properties

Form: Fine to Fluffy Powder

Appearance: White to Yellow Powder Application: Plant Tissue Culture

Solubility: Water

Typical Working Concentration: 2.17 g/L

Storage Temp: 2-6°

Storage Temp of Preparation of concentrated solutions is not recommended as insoluble

Stock Solution: precipitates may form.

Other Notes: Contains ½ the macro- and micronutrients as described by Murashige and

Skoog (1962).

Formula (mg/L)

Ammonium Nitrate	825
Boric Acid	3.1
Calcium Chloride, Anhydrous	166.1
Cobalt Chloride•6H ₂ O	0.0125
Cupric Sulfate•5H ₂ O	0.0125
Na ₂ EDTA•2H ₂ O	18.63
Ferrous Sulfate•7H ₂ O	13.9
Magnesium Sulfate, Anhydrous	90.35

Manganese Sulfate•H ₂ O	8.45
Molybdic Acid (Sodium Salt) • 2H ₂ O	0.125
Potassium Iodide	0.415
Potassium Nitrate	950
Potassium Phosphate, Monobasic	85
Zinc Sulfate•7H ₂ O	4.3

Application Notes

Plant Tissue Culture Tested

References

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

Revised 3/2007

Phyto Technology Laboratories, LLC

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 © 2007 PhytoTechnology Laboratories, LLC

M153-Info Page 1 of 1