



## 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 Stock Solution:	Preparation of concentrated solutions is not recommended as insoluble precipitates may form.
Other Notes:	Contains ½ the macro- and micronutrients as described by Murashige and Skoog (1962).

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

Ammonium Nitrate	825	Manganese Sulfate•H <sub>2</sub> O	8.45
Boric Acid	3.1	Molybdcic Acid (Sodium Salt)• 2H <sub>2</sub> O	0.125
Calcium Chloride, Anhydrous	166.1	Potassium Iodide	0.415
Cobalt Chloride•6H <sub>2</sub> O	0.0125	Potassium Nitrate	950
Cupric Sulfate•5H <sub>2</sub> O	0.0125	Potassium Phosphate, Monobasic	85
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	18.63	Zinc Sulfate•7H <sub>2</sub> O	4.3
Ferrous Sulfate•7H <sub>2</sub> O	13.9		
Magnesium Sulfate, Anhydrous	90.35		

#### **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.

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#### **PhytoTechnology 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  
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