



## Product Information Sheet

**S811**

### **Schenk & Hildebrandt Modified Basal Medium Contains 10 g/L Sucrose**

Synonym: Schenk & Hildebrandt Basal Salts w/ Sucrose

#### **Properties**

Form: Powder  
Appearance: White to Yellow  
Application: Plant Tissue Culture  
Solubility: Water  
Typical Working Concentration: 13.20 g/L  
Storage Temp: 2 – 6°C  
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 Schenk and Hildebrandt (1972) with the modification of added Sucrose at 10 g/L.

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

Ammonium Phosphate, Monobasic	300
Boric Acid	5
Calcium Chloride, Anhydrous	151
Cobalt Chloride•6H <sub>2</sub> O	0.1
Cupric Sulfate•5H <sub>2</sub> O	0.2
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	20
Ferrous Sulfate•7H <sub>2</sub> O	15
Magnesium Sulfate, Anhydrous	195.4

Manganese Sulfate•H <sub>2</sub> O	10
Molybdic Acid (Sodium Salt) •2H <sub>2</sub> O	0.1
Potassium Iodide	1
Potassium Nitrate	2500
Zinc Sulfate•7H <sub>2</sub> O	1
Sucrose	10,000

#### **Application Notes**

Plant Tissue Culture Tested

#### **References**

Schenk, RU & AC Hildebrandt. 1972. Medium and Techniques for Induction and Growth of Monocotyledonous and Dicotyledonous Plant Cell Cultures. *Can. J. Bot.* 50: 199-204.