



## Product Information Sheet

**S808**

### **Schenk & Hildebrandt Modified Basal Medium (1/2x and 10 g/L Sucrose)**

#### **Properties**

Form:	Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	12.10 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 ½ macro- and ½ micronutrients and ½ the vitamins as described by Schenk and Hildebrandt (1972). Also contains 10 g/L Sucrose. pH = 4.0 – 5.0

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

Ammonium Phosphate, Monobasic	150
Boric Acid	2.5
Calcium Chloride, Anhydrous	75.5
Cobalt Chloride•6H <sub>2</sub> O	0.05
Cupric Sulfate•5H <sub>2</sub> O	0.1
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	10
Ferrous Sulfate•7H <sub>2</sub> O	7.5
Magnesium Sulfate, Anhydrous	97.7
Manganese Sulfate•H <sub>2</sub> O	5
Molybdic Acid (Sodium Salt) •2H <sub>2</sub> O	0.05

Potassium Iodide	0.5
Potassium Nitrate	1250
Zinc Sulfate•7H <sub>2</sub> O	0.5
myo-Inositol	500
Nicotinic Acid (Free Acid)	2.5
Pyridoxine•HCl	0.25
Sucrose	10,000
Thiamine•HCl	2.5

#### **Application Notes**

Plant Tissue Culture Tested

#### **References**

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

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