

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 ₂ O	0.05
Cupric Sulfate•5H ₂ O	0.1
Na ₂ EDTA•2H ₂ O	10
Ferrous Sulfate•7H ₂ O	7.5
Magnesium Sulfate, Anhydrous	97.7
Manganese Sulfate•H ₂ O	5
Molybdic Acid (Sodium Salt) •2H ₂ O	0.05

Potassium Iodide	0.5
Potassium Nitrate	1250
Zinc Sulfate•7H ₂ 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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