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 Powder
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).

Formula (mg/L)

Ammonium Phosphate, Monobasic	300
Boric Acid	5
Calcium Chloride, Anhydrous	151
Cobalt Chloride•$6H_2O$	0.1
Cupric Sulfate•$5H_2O$	0.2
Na2 EDTA•$2H_2O$	20
Ferrous Sulfate•$7H_2O$	15
Magnesium Sulfate, Anhydrous	195.4

Manganese Sulfate•H_2O	10
Molybdic Acid (Sodium Salt) •$2H_2O$	0.1
Potassium Iodide	1
Potassium Nitrate	2500
Zinc Sulfate•$7H_2O$	1
Sucrose	10,000

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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