

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 ₂ O	0.1
Cupric Sulfate•5H ₂ O	0.2
Na ₂ EDTA•2H ₂ O	20
Ferrous Sulfate•7H ₂ O	15
Magnesium Sulfate, Anhydrous	195.4

Manganese Sulfate•H ₂ O	10
Molybdic Acid (Sodium Salt) •2H ₂ O	0.1
Potassium Iodide	1
Potassium Nitrate	2500
Zinc Sulfate•7H ₂ 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.

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