

Product Information Sheet

S813

Schenk & Hildebrandt Modified Basal Medium Contains Vitamins and 10 g/L Sucrose

Properties

Form:	Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	14.21 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 and vitamins as described by Schenk and Hildebrandt (1972). Also contains 10 g/L Sucrose. pH = 3.75 – 4.75

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
Molybdc Acid (Sodium Salt) •2H ₂ O	0.1

Potassium Iodide	1
Potassium Nitrate	2500
Zinc Sulfate•7H ₂ O	1
myo-Inositol	1000
Nicotinic Acid (Free Acid)	5
Pyridoxine•HCl	0.5
Sucrose	10000
Thiamine•HCl	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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