S816
Schenk & Hildebrandt Basal Salt Mixture

Properties

Form:	Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	3.20 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). pH = 4.0 – 5.0

Formula (mg/L)

A113	Ammonium Phosphate, Monobasic	300
B210	Boric Acid	5
C266	Calcium Chloride, Anhydrous	151
C350	Cobalt Chloride•$6H_2O$	0.1
C375	Cupric Sulfate•$5H_2O$	0.2
E410	Na2 EDTA•$2H_2O$	20
F263	Ferrous Sulfate•$7H_2O$	15

M150	Magnesium Sulfate, Anhydrous	195.4
M250	Manganese Sulfate•H_2O	10
M651	Molybdic Acid (Sodium Salt) •$2H_2O$	0.1
P840	Potassium Iodide	1
P100	Potassium Nitrate	2500
Z101	Zinc Sulfate•$7H_2O$	1

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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