Product Information Sheet

H437
Hosta Rooting Medium
Stage III Medium

Properties

Form:	Fine to Fluffy Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	43.23 g/L
Storage Temp:	2-6°
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 Murashige and Skoog (1962) and the vitamins described by Linsmaier and Skoog (1965). Also contains the supplements cited below.

Formula (mg/L)

Ammonium Nitrate	1650	Potassium Nitrate	1900
Boric Acid	6.2	Potassium Phosphate, Monobasic	300
Calcium Chloride, Anhydrous	332.2	Sodium Phosphate, Monobasic	170
Cobalt Chloride•6H_2O	0.025	Zinc Sulfate•7H_2O	8.6
Cupric Sulfate•5H_2O	0.025	Agar	8,000
Disodium EDTA •2H_2O	37.26	6-Benzylaminopurine (BA)	0.1
Ferrous Sulfate•7H_2O	27.8	Casein, Enzymatic Hydrolysate	500
Magnesium Sulfate, Anhydrous	180.7	myo-Inositol	100
Manganese Sulfate•H_2O	16.9	α-Naphthaleneacetic Acid	0.5
Molybdic Acid (Sodium Salt)• 2H_2O	0.25	Sucrose	30,000
Potassium Iodide	0.83	Thiamine•HCl	0.4

Application Notes
Plant Tissue Culture Tested
Plant species: Hosta

References
Murashige, T and F Skoog. 1962. A revised medium for rapid growth and bio-assays with tobacco tissue cultures. Physiologia Plantarum. 15: 473-497.

Phyto Technology Laboratories, LLC
P.O. Box 12205; Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 or 913-341-5343; Fax: 1-888-449-8682 or 913-341-5442
Web Site: www.phytotechlab.com
© 2007 PhytoTechnology Laboratories, LLC

Linsmaier, EM and F Skoog. 1965. Organic growth factor requirements of tobacco tissue cultures. Physiol. Plant. 18: 100-127.

Revised 2/2007

Phyto Technology Laboratories, LLC
P.O. Box 12205; Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 or 913-341-5343; Fax: 1-888-449-8682 or 913-341-5442
Web Site: www.phytotechlab.com
© 2007 PhytoTechnology Laboratories, LLC