Product Information Sheet

H435
Hosta Initiation/ Multiplication Medium
Stage I/II Medium

Properties

Form:	Fine to Fluffy Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	43.39 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 Phosphate, Monobasic	300
Boric Acid	6.2	Sodium Phosphate, Monobasic	170
Calcium Chloride, Anhydrous	332.2	Zinc Sulfate•$7H_2O$	8.6
Cobalt Chloride•$6H_2O$	0.025	Adenine Hemisulfate	160
Cupric Sulfate•$5H_2O$	0.025	Agar	8,000
Disodium EDTA •$2H_2O$	37.26	6-Benzylaminopurine (BA)	2
Ferrous Sulfate•$7H_2O$	27.8	Casein, Enzymatic Hydrolysate	500
Magnesium Sulfate, Anhydrous	180.7	Glycine (Free Base)	2
Manganese Sulfate•H_2O	16.9	myo-Inositol	100
Molybdic Acid (Sodium Salt)• $2H_2O$	0.25	α-Naphthaleneacetic Acid	0.5
Potassium Iodide	0.83	Sucrose	30,000
Potassium Nitrate	1900	Thiamine•HCl	0.4

Application Notes

Plant Tissue Culture Tested
Plant species: Hosta
Excellent stage I and II medium for Hosta cultures.

References

Murashige, T and F Skoog. 1962. A revised medium for rapid growth and bio-assays with

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

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