Product Information Sheet

M517
Murashige Modified African Violet/ Gloxinia Multiplication Basal Medium

Properties

Form:	Fine to Fluffy Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	4.66 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 (mg/L): 170 Sodium Phosphate Monobasic, 2.0 IAA, 2.0 Kinetin, and Ferric Sodium EDTA in place of Ferrous Sulfate and Disodium EDTA.

Formula (mg/L)

Ammonium Nitrate	1650
Boric Acid	6.2
Calcium Chloride, Anhydrous	333
Cobalt Chloride•$6H_2O$	0.025
Cupric Sulfate•$5H_2O$	0.025
Ferric Sodium EDTA	36.7
Magnesium Sulfate, Anhydrous	181
Manganese Sulfate•H_2O	16.9
Molybdic Acid (Sodium Salt)• $2H_2O$	0.25
Potassium Iodide	0.83

Potassium Nitrate	1900
Potassium Phosphate, Monobasic	170
Sodium Phosphate, Monobasic	170
Zinc Sulfate•$7H_2O$	8.6
Adenine Hemisulfate	80
Indoleacetic Acid	2.0
Kinetin	2.0
myo-Inositol	100
Thiamine•HCl	0.4

Application Notes

Plant Tissue Culture Tested
Plant species: Saintpaulia (African violet); Gloxinia

References

Murashige, T and F Skoog. 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures. Physiol. Plant. 15: 473-497.

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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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