



Product Information Sheet

M510 Murashige Modified Gerbera Pretransplant Basal Medium

Properties

Form:	Fine to Fluffy Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	4.64 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 modified vitamins. Also contains (mg/L): 85 Sodium Phosphate Monobasic, 10.0 IAA, 100 L-Tyrosine, 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 ₂ O	0.025
Cupric Sulfate•5H ₂ O	0.025
Ferric Sodium EDTA	37.6
Magnesium Sulfate, Anhydrous	180.7
Manganese Sulfate•H ₂ O	16.9
Molybdcic Acid (Sodium Salt)• 2H ₂ O	0.25
Potassium Iodide	0.83
Potassium Nitrate	1900

Potassium Phosphate, Monobasic	170
Sodium Phosphate, Monobasic	85
Zinc Sulfate•7H ₂ O	8.6
Myo-Inositol	100
Indoleacetic Acid	10
Nicotinic Acid (Free Acid)	10
Pyridoxine•HCl	1.0
Thiamine•HCl	30
L-Tyrosine	100

Application Notes

Plant Tissue Culture Tested
Plant species: Gerbera Daisies

References

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

Revised 3/2007

PhytoTechnology 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