



Product Information Sheet

M547 **Murashige & Skoog Modified** **Vitamin Powder (1000x)**

Synonym: MS Modified Vitamin Powder

Properties

Form: Powder
Appearance: White to Off-white Powder
Application: Plant Tissue Culture
Solubility: Water
Typical Working Concentration: 10.40 g/ 100 mL
Concentration: 1 mL/ L of medium when dissolved in water to the volume on the package.
Storage Temp: 2-6° C
Storage Temp of Stock Solution: 2-6° C
Other Notes: Contains the vitamins as described by Murashige and Skoog (1962) modified with additional Thiamine.
Myo-Inositol may precipitate out of the prepared stock solution when cold; warming with occasional agitation will redissolved the precipitated myo-Inositol.
pH = 3.5 – 4.5

Formula (mg/L)

Glycine (Free Base)	2000
myo-Inositol	100,000
Nicotinic Acid (Free Acid)	500
Pyridoxine•HCl	500
Thiamine•HCl	1000

Application Notes

Plant Tissue Culture Tested

References

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

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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

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