

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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India Contact

Life Technologies (India) Pvt Ltd.

306, Agarwal City Mall, Road 44, Pitampura, Delhi - 110034 (India)

Tel: +91-11-4220-8000; 4220-8111; 4220-8222 Fax: +91-11-4220-8444, Mobile: +91-98105-21400

Email - customerservice@lifetechindia.com | customerservice@atzlabs.com