

Product Information Sheet

M557 Murashige & Skoog Modified Vitamin Solution (1000x)

Synonym: MS Modified Vitamin Solution

Properties

Form:	Liquid
Appearance:	Clear, Colorless Solution
Application:	Plant Tissue Culture
Solubility:	Miscible in Water
Typical Working Concentration:	1 mL/ L of Medium
Storage Temp:	2-6° C
Storage Temp of Stock Solution:	N/A
Other Notes:	Contains the vitamins as described by Murashige and Skoog (1962) modified with additional Thiamine. Myo-Inositol may precipitate out of the solution when cold; warming with occasional agitation will redissolved the precipitated myo-Inositol.

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 bioassays with tobacco tissue cultures. *Physiol. Plant.* 15: 473-497.

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