Product Information Sheet

M533
Murashige & Skoog Vitamin Powder (1000x)

Synonym: MS Vitamin Powder

Properties

Form:	Powder
Appearance:	White to Off-white Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	10.31 g/ 100 mL 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). 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	100

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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