

M533

Murashige & Skoog Vitamin Powder (1000x)

Synonym: MS Vitamin Powder

Properties

Form: Powder
 Appearance: White to Off-white
 Application: Plant Tissue Culture
 Solubility: Water
 Typical Working: 10.31 g/ 100 mL – makes 1000x
 Concentration: 1 mL/ L of medium when dissolved in water to the volume on the package.
 Storage Temp: 2-8°C
 Storage Temp of Stock Solution: 2-8°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 re-dissolve 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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