



Product Information Sheet

M554 **Murashige & Skoog (MS)** **Micronutrient Salt Base**

Properties

Form: Fine to Fluffy Powder
Appearance: White to Cream Powder
Application: Plant Tissue Culture
Solubility: Water
Typical Working Concentration: 0.10 g/L
Storage Temp: -20-0°
Storage Temp of Stock Solution: 2-6°
Other Notes: Contains the micronutrients as described by Murashige and Skoog (1962).
pH = 3.8 – 4.8

Formula (mg/L)

Boric Acid	6.2
Cobalt Chloride•6H ₂ O	0.025
Cupric Sulfate•5H ₂ O	0.025
Na ₂ EDTA•2H ₂ O	37.26
Ferrous Sulfate•7H ₂ O	27.8
Manganese Sulfate•H ₂ O	16.9
Molybdic Acid (Sodium Salt)• 2H ₂ O	0.25
Potassium Iodide	0.83
Zinc Sulfate•7H ₂ O	8.6

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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