



Product Information Sheet

M529 Murashige & Skoog (MS) Micronutrient Stock Solution (10x)

Properties

Form:	Liquid
Appearance:	Colorless, Clear Liquid
Application:	Plant Tissue Culture
Solubility:	Miscible with Water
Typical Working Concentration:	100 mL/L
Storage Temp:	2-6°C
Other Notes:	Contains the micronutrients as described by Murashige and Skoog (1962). pH = 2.5 – 3.5

Formula (mg/L)

Boric Acid	62
Cobalt Chloride•6H ₂ O	0.25
Cupric Sulfate•5H ₂ O	0.25
Na ₂ EDTA•2H ₂ O	373
Ferrous Sulfate•7H ₂ O	278

Manganese Sulfate•H ₂ O	169
Molybdc Acid (Sodium Salt)• 2H ₂ O	2.5
Potassium Iodide	8.3
Zinc Sulfate•7H ₂ O	86

Application Notes

Plant Tissue Culture Tested

This product contains only micronutrients; macronutrients (e.g., M654) must be supplied for a complete basal salt mixture.

References

Murashige, T and F Skoog. 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures. *Physiol. Plant.* 15: 473-497.

Revised 10/2011