



Product Information Sheet

M5634
Deconstructed MS Group IV
(Micros w/o Fe)
100x Murashige & Skoog (MS)

Properties

Form:	Liquid
Appearance:	Colorless, Clear Liquid
Application:	Plant Tissue Culture
Solubility:	Miscible with Water
Typical Working Concentration:	10 mL/L
Storage Temp:	2-6°C
Other Notes:	Contains the micronutrient, minus Fe, components as described by Murashige and Skoog (1962). pH = 3.5-5.5

Formula (mg/L)

Boric Acid	620
Cobalt Chloride	2.50
Cupric Sulfate	2.50
Manganese Sulfate	1,690

Sodium Molybdate	25
Potassium Iodide	83
Zinc Sulfate	860

Application Notes

Plant Tissue Culture Tested

This product contains only micronutrients, other nutrients supplied via M5631, M5632, M5633, and M5635.

References

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

Reed BM, Wada S, DeNoma J, Niedz RP (2013) Mineral nutrition influences physiological responses of pear *in vitro*. *In Vitro Cell.Dev.Biol.-Plant.* DOI 10.1007/s11627-013-9556-2