



## 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 <sub>2</sub> O	0.025
Cupric Sulfate•5H <sub>2</sub> O	0.025
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	37.26
Ferrous Sulfate•7H <sub>2</sub> O	27.8
Manganese Sulfate•H <sub>2</sub> O	16.9
Molybdic Acid (Sodium Salt)• 2H <sub>2</sub> O	0.25
Potassium Iodide	0.83
Zinc Sulfate•7H <sub>2</sub> 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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