

Product Information Sheet

M153

Murashige & Skoog (MS) Modified Basal Salt Mixture (1/2x Macros & Micros)

Properties

Form:	Fine to Fluffy Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	2.17 g/L
Storage Temp:	2-6°
Storage Temp of Stock Solution:	Preparation of concentrated solutions is not recommended as insoluble precipitates may form.
Other Notes:	Contains ½ the macro- and micronutrients as described by Murashige and Skoog (1962).

Formula (mg/L)

Ammonium Nitrate	825
Boric Acid	3.1
Calcium Chloride, Anhydrous	166.1
Cobalt Chloride•6H ₂ O	0.0125
Cupric Sulfate•5H ₂ O	0.0125
Na ₂ EDTA•2H ₂ O	18.63
Ferrous Sulfate•7H ₂ O	13.9
Magnesium Sulfate, Anhydrous	90.35

Manganese Sulfate•H ₂ O	8.45
Molybdcic Acid (Sodium Salt)• 2H ₂ O	0.125
Potassium Iodide	0.415
Potassium Nitrate	950
Potassium Phosphate, Monobasic	85
Zinc Sulfate•7H ₂ O	4.3

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.

Revised 3/2007

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