Product Information Sheet

M502
Murashige & Skoog (MS) Macronutrient Salt Base

Properties

Form:	Fine to Fluffy Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	4.23 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 the macronutrients as described by Murashige and Skoog (1962). pH = 3.8 – 4.8

Formula (mg/L)

Ammonium Nitrate	1650
Calcium Chloride, Anhydrous	332.2
Magnesium Sulfate, Anhydrous	180.7
Potassium Nitrate	1900
Potassium Phosphate, Monobasic	170

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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