



## Product Information Sheet

### M502 Murashige & Skoog (MS) Macronutrient Salt Base

#### Properties

Form:	Powder
Appearance:	White to Yellow
Application:	Plant Tissue Culture
Solubility:	Soluble in Water
Typical Working Concentration:	4.23 g/L
Storage Temp:	2-6°C
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 = 4.85 ± 0.75

#### 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.