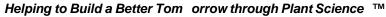
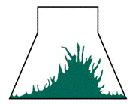
# PhytoTechnology Laboratories, LLC™





## **Product Information Sheet**

M561 Murashige & Skoog (MS) **Modified Basal Salt Mixture** (1/2x Nitrates)

#### **Properties**

Form: Fine to Fluffy Powder Appearance: White to Yellow Powder

Application: Plant Tissue Culture

Solubility: Water

Typical Working

2.56 g/L

Concentration:

Storage Temp: 2-6°

Storage Temp of Preparation of concentrated solutions is not recommended as insoluble

Stock Solution: precipitates may form.

Other Notes: Contains the macro- and micronutrients as described by Murashige and

Skoog (1962) with the following exceptions: ½ Ammonium Nitrate and ½

Potassium Nitrate

## Formula (mg/L)

| Ammonium Nitrate                       | 825   |
|--|-------|
| Boric Acid                             | 6.2   |
| Calcium Chloride, Anhydrous            | 332.2 |
| 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  |
| Magnesium Sulfate, Anhydrous           | 180.7 |
|  |       |

| Manganese Sulfate•H <sub>2</sub> O            | 16.9 |
|---|------|
| Molybdic Acid (Sodium Salt)•2H <sub>2</sub> O | 0.25 |
| Potassium Iodide                              | 0.83 |
| Potassium Nitrate                             | 950  |
| Potassium Phosphate, Monobasic                | 170  |
| 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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