## Product Information Sheet

# M571
# Murashige & Skoog (MS) Modified Basal Salt Mixture (No $NH_4NO_3$)

### Properties

| | |
|---|---|
| Form: | Fine to Fluffy Powder |
| Appearance: | White to Yellow Powder |
| Application: | Plant Tissue Culture |
| Solubility: | Water |
| Typical Working Concentration: | 2.68 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 macro- and micronutrients as described by Murashige and Skoog (1962) with the following exception: No Ammonium Nitrate |

### Formula (mg/L)

| | | | |
|---|---|---|---|
| Boric Acid | 6.2 | Manganese Sulfate•$H_2O$ | 16.9 |
| Calcium Chloride, Anhydrous | 332.2 | Molybdic Acid (Sodium Salt)• $2H_2O$ | 0.25 |
| Cobalt Chloride•$6H_2O$ | 0.025 | Potassium Iodide | 0.83 |
| Cupric Sulfate•$5H_2O$ | 0.025 | Potassium Nitrate | 1900 |
| $Na_2EDTA$•$2H_2O$ | 37.26 | Potassium Phosphate, Monobasic | 170 |
| Ferrous Sulfate•$7H_2O$ | 27.8 | Zinc Sulfate•$7H_2O$ | 8.6 |
| Magnesium Sulfate, Anhydrous | 180.7 | | |

### 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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