

**M576**  
**Murashige & Skoog**  
**Basal Salt Concentrate (20x)**

**Properties**

Form: Liquid  
 Appearance: Clear solution with a yellow cast  
 Application: Plant Tissue Culture  
 Solubility: Miscible with Water  
 Typical Working Concentration: 50 mL/ L  
 Storage Temp: 2-8°C  
 Other Notes: Contains the macro- and micronutrients as described by Murashige and Skoog (1962).  
 Sterile Filtered

**Formula [mg/L]**

Ammonium Nitrate	33,000
Boric Acid	124
Calcium Chloride, Anhydrous	6644
Cobalt Chloride•6H <sub>2</sub> O	0.5
Cupric Sulfate•5H <sub>2</sub> O	0.5
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	745.2
Ferrous Sulfate•7H <sub>2</sub> O	556
Magnesium Sulfate, Anhydrous	3614

Manganese Sulfate•H <sub>2</sub> O	338
Molybdic Acid (Sodium Salt)• 2H <sub>2</sub> O	5.0
Potassium Iodide	16.6
Potassium Nitrate	38,000
Potassium Phosphate, Monobasic	3400
Zinc Sulfate•7H <sub>2</sub> O	172

**Application Notes**

Plant Tissue Culture Tested  
 Plant species: This basal salt is used for numerous species.

**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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