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## TECHNICAL INFORMATION

Catalog Number: 2625149

### **Murashige and Skoog's modified vitamin Solution (1000X)**

**Synonym:** MS Modified Vitamin Solution

**Physical Description:** Clear, slight yellow solution

**Solubility:** Soluble in water (clear, colorless solution)

### **Application:**

Plant Tissue Culture. Typical Working Concentration: 1 mL/ L of Medium

### **Other Notes:**

Contains the vitamins as described by Murashige and Skoog (1962) modified with additional Thiamine.

Formula for solution (mg/L)

Glycine (Free Base): 2000  
myo-Inositol: 100,000  
Nicotinic Acid (Free Acid): 500  
Pyridoxine•HCl: 500  
Thiamine•HCl: 1000

### **References:**

Murashige, T and F Skoog. 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures. *Physiol. Plant.* 15: 473-497.

### **Availability:**

Catalog Number	Description	Size
2625049 26250NO	<b>Powder</b> , includes the vitamins as described by Murashige and Skoog, 1962. set at a concentration of 1 ml/L medium. White to off white powder	100 ml 250 ml
2625149	<b>Solution</b> , includes the vitamins as described by Murashige and Skoog, 1962. Used at a concentration of 1 ml/L medium. Clear colorless solution	100 ml