



## Product Information Sheet

### T867 Tobacco Modified Shoot and Root Basal Medium

#### Properties

Form:	Powder
Appearance:	White to Yellow
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	5.41 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 FeNa-EDTA in place of Ferrous Sulfate and Disodium EDTA. Similar to Murashige and Skoog Basal Medium, with the exception of the inclusion of 1 g/L of Casein, Glycine and 1 mg/L of Kinetin. Also contains vitamins.

#### Formula

Ammonium Nitrate	1650
Boric Acid	6.2
Calcium Chloride, Anhydrous	333
Cobalt Chloride•6H <sub>2</sub> O	0.025
Cupric Sulfate•5H <sub>2</sub> O	0.025
Ferric Sodium EDTA	36.7
Magnesium Sulfate, Anhydrous	181
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	1900

Potassium Phosphate, Monobasic	170
Zinc Sulfate•7H <sub>2</sub> O	8.6
Casein, Enzymatic Hydrolysate	1000
Glycine (Free Base)	2
Indole-3-acetic Acid	0.03
Kinetin	1
myo-Inositol	100
Nicotinic Acid (Free Acid)	0.5
Pyridoxine•HCl	0.5
Thiamine•HCl	0.4

#### Application Notes

Plant Tissue Culture Tested  
Plant species: Nicotiana

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