

S7700
SFN Medium
Properties:

Form: Powder
 Appearance: Light Burgandy to Red Powder
 Application: Plant Tissue Culture
 Solubility: Water
 Typical Working Concentration: 7.06 g/L
 Storage Temp: 2-8°C
 Other Notes: Plant Tissue Culture Tested

Formula: [mg/L]

Ammonium Nitrate	2100
Boric Acid	14.4
Calcium Nitrate, Anhydrous	833.8
Cobalt Chloride 6H ₂ O	0.06
Cupric Sulfate 5H ₂ O	0.25
FeNaEDDHA	100
Magnesium Nitrate, dihydrate	862.7

Magnesium Sulfate Anhydrous	488.4
Manganese Sulfate H ₂ O	200
Molybdcic Acid, Na Salt 2H ₂ O	3.9
Nickel Sulfate 6H ₂ O	0.005
Potassium Nitrate	1000
Potassium Phosphate, Monobasic	1400
Zinc Sulfate 7H ₂ O	60

Application Notes:

This medium has shown improvement for Fruit and Nut tree micropropagation, specifically Black and English walnuts (Stevens 2024)

Please Note: While PhytoTech Labs Inc. tests each lot of this product with two or more plant cell/ tissue culture lines, it is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

References:

Stevens MA (2024) "Tissue Culture Media Design at Sierra Gold Nurseries" In Vitro Biology Meeting St. Louis, MO June 12, 2024,

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