

Product Information Sheet

M576

Murashige & Skoog (MS) 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° – 6° C
Storage Temp of Stock Solution:	N/A
Other Notes:	Contains the macro- and micronutrients as described by Murashige and Skoog (1962). Sterile Filtered

Formula

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

Manganese Sulfate•H ₂ O	338
Molybdc Acid (Sodium Salt)• 2H ₂ O	5.0
Potassium Iodide	16.6
Potassium Nitrate	38,000
Potassium Phosphate, Monobasic	3400
Zinc Sulfate•7H ₂ 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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