

Product Information Sheet

M511

Murashige Modified Kalanchoe Multiplication Basal Medium

Properties

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| Form: | Fine to Fluffy Powder |
| Appearance: | White to Yellow Powder |
| Application: | Plant Tissue Culture |
| Solubility: | Water |
| Typical Working Concentration: | 4.41 g/L |
| Storage Temp: | 2-6° |
| Storage Temp of Stock Solution: | Preparation of concentrated solutions is not recommended as insoluble precipitates may form. |
| Other Notes: | Contains the macro- and micronutrients as described by Murashige and Skoog (1962) and the vitamins described by Linsmaier and Skoog (1965). Also contains (mg/L): 3.0 2iP and Ferric Sodium EDTA in place of Ferrous Sulfate and Disodium EDTA. |

Formula (mg/L)

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|---|-------|
| Ammonium Nitrate | 1650 |
| Boric Acid | 6.2 |
| Calcium Chloride, Anhydrous | 333 |
| Cobalt Chloride•6H ₂ O | 0.025 |
| Cupric Sulfate•5H ₂ O | 0.025 |
| Ferric Sodium EDTA | 36.7 |
| Magnesium Sulfate, Anhydrous | 181 |
| Manganese Sulfate•H ₂ O | 16.9 |
| Molybdc Acid (Sodium Salt)• 2H ₂ O | 0.25 |

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| Potassium Iodide | 0.83 |
| Potassium Nitrate | 1900 |
| Potassium Phosphate, Monobasic | 170 |
| Zinc Sulfate•7H ₂ O | 8.6 |
| myo-Inositol | 100 |
| 6-γ,γ-Dimethylallylaminopurine (2iP) | 3.0 |
| Thiamine•HCl | 0.4 |

Application Notes

Plant Tissue Culture Tested
Plant species: Kalanchoe

References

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

Linsmaier, EM and F Skoog. 1965. Organic growth factor requirements of tobacco tissue cultures. *Physiol. Plant.* 18: 100-127.

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