



## Product Information Sheet

### E575 Economou and Read Basal Medium

#### Properties

Form:	Fine Powder
Appearance:	Off-White to Yellow
Application:	Plant Tissue Culture
Solubility:	Soluble in Water
Typical Working Concentration:	1.84 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 the macro- and micronutrients and vitamins as described by Economou & Read (1984). Plant Tissue Culture Tested

#### Formula (mg/L)

Ammonium Nitrate	400
Ammonium Sulfate	132
Boric Acid	6.2
Calcium Chloride, Anhydrous	332.2
Cobalt Chloride•6H <sub>2</sub> O	0.025
Cupric Sulfate•5H <sub>2</sub> O	0.025
Ferric Sodium DTPA	56
Magnesium Sulfate, Anhydrous	180.7

Manganese Sulfate•H <sub>2</sub> O	16.9
Molybdc Acid (Sodium Salt)• 2H <sub>2</sub> O	0.25
Potassium Nitrate	202
Potassium Phosphate, Monobasic	408
Zinc Sulfate•7H <sub>2</sub> O	8.6
myo-Inositol	100
Thiamine•HCl	0.4

#### Application Notes

Plant species: Rhododendron spp. (Economou, 1984); *Vaccinium vitis-idaea* (Hosier et al., 1985)

This medium was originally developed for northern-hardy, deciduous azaleas.

#### References

Economou, AS and PE Read (1984) In vitro shoot proliferation of Minnesota deciduous azaleas, *HortSci.* 19(1):60-61.

Hosier MA, Flatebo G, Read PE (1985) In vitro propagation of lingonberry. *HortSci*, 20: 364-365.