



## Product Information Sheet

### R7100 Rugini Olive Medium

#### Properties

Form:	Powder
Appearance:	White to Light Yellow
Application:	Plant Tissue Culture
Solubility:	Soluble in Water
Typical Working Concentration:	4.05 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 E. Rugini (1984). Plant Tissue Culture Tested Unadjusted pH (approx): 3.5 - 4.5

#### Formula (mg/L)

Ammonium Nitrate	412	Potassium Iodide	0.83
Boric Acid	12.4	Potassium Nitrate	1100
Calcium Chloride Anhydrous	332.16	Potassium Phosphate, Monobasic	340
Calcium Nitrate, Anhydrous	416.9	Zinc Sulfate 7H <sub>2</sub> O	14.3
Cobalt Chloride 6H <sub>2</sub> O	0.025	D-Biotin	0.05
Cupric Sulfate 5H <sub>2</sub> O	0.25	Folic Acid	0.5
Na <sub>2</sub> EDTA 2H <sub>2</sub> O	37.5	Glycine	2
Ferrous Sulfate 7H <sub>2</sub> O	27.8	myo-Inositol	100
Magnesium Sulfate Anhydrous	732.5	Nicotinic Acid	5
Manganese Sulfate H <sub>2</sub> O	16.9	Pyridoxine HCl	0.50
Molybdic Acid, Na Salt 2H <sub>2</sub> O	0.25	Thiamine HCl	0.50
Potassium Chloride	500		

#### Application Notes

Useful for the micropropagation of some types of olive cultivars (Rugini 1984).

#### References

Rugini E (1984) In vitro propagation of some olive (*Olea europaea* L.) cultivars with different root ability, and medium development using analytical data from developing shoots and embryos. *Scientia Horticulturae* 24: 123-134.