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 ºC
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 7H2O	14.3
Cobalt Chloride 6H2O	0.025	D-Biotin	0.05
Cupric Sulfate 5H2O	0.25	Folic Acid	0.5
Na2 EDTA 2H2O	37.5	Glycine	2
Ferrous Sulfate 7H2O	27.8	*myo*-Inositol	100
Magnesium Sulfate Anhydrous	732.5	Nicotinic Acid	5
Manganese Sulfate H2O	16.9	Pyrodoxine HCl	0.50
Molybdic Acid, Na Salt 2H2O	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.

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