



Product Information Sheet

Q673

Quoirin & Lepoivre Basal Salt Mixture

Properties

Form:	Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	3.56 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 as described by Quoirin and Lepoivre (1977) and Quoirin et al. (1977) pH = 3.5 – 4.5

Formula (mg/L)

Ammonium Nitrate	400
Boric Acid	6.2
Calcium Nitrate	833.77
Cobalt Chloride•6H ₂ O	0.025
Cupric Sulfate•5H ₂ O	0.025
Na ₂ EDTA•2H ₂ O	37.3
Ferrous Sulfate•7H ₂ O	27.8
Magnesium Sulfate, Anhydrous	175.79

Manganese Sulfate•H ₂ O	0.76
Molybdic Acid (Sodium Salt) •2H ₂ O	0.25
Potassium Iodide	0.08
Potassium Nitrate	1800
Potassium Phosphate, Monobasic	270
Zinc Sulfate•7H ₂ O	8.6

Application Notes

Plant Tissue Culture Tested

Plant species: *Prunus* spp.

References

Quoirin, M. and P Lepoivre. 1977. Improved medium for in vitro culture of *Prunus* sp. Acta. Hort. 78:437-442.

Quoirin, M, et al. 1977. C. R. Res. Sta. Cult. Fruit Mar., Gembloux 93.

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