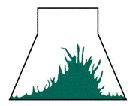
# PhytoTechnology Laboratories, LLC™





### **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 Preparation of concentrated solutions is not recommended as insoluble

Stock Solution: 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 <sub>2</sub> O | 0.025  |
| Cupric Sulfate•5H <sub>2</sub> O  | 0.025  |
| Na2 EDTA•2H <sub>2</sub> O        | 37.3   |
| Ferrous Sulfate•7H <sub>2</sub> O | 27.8   |
| Magnesium Sulfate, Anhydrous      | 175.79 |

| Manganese Sulfate•H <sub>2</sub> O             | 0.76 |
|--|------|
| Molybdic Acid (Sodium Salt) •2H <sub>2</sub> O | 0.25 |
| Potassium Iodide                               | 0.08 |
| Potassium Nitrate                              | 1800 |
| Potassium Phosphate, Monobasic                 | 270  |
| Zinc Sulfate•7H <sub>2</sub> 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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