

## Product Information Sheet

**P713**

### Parker Thompson Fern Basal Salt Mixture

#### Properties

Form:	Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	0.77 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 Hickok et al. (1995) Unadjusted pH = 3.5 – 4.5 (See certificate of analysis for lot-specific value.)

#### Formula (mg/L)

Ammonium Molybdate	0.037
Ammonium Nitrate	125
Boric Acid	1.86
Calcium Chloride, Anhydrous	19.628
Cupric Sulfate•5H <sub>2</sub> O	0.37
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	37.3

Ferrous Sulfate•7H <sub>2</sub> O	27.8
Magnesium Sulfate, Anhydrous	58.565
Manganese Sulfate•H <sub>2</sub> O	0.25
Potassium Phosphate, Monobasic	500
Zinc Sulfate•7H <sub>2</sub> O	0.52

#### Application Notes

Plant Tissue Culture Tested

Plant species: *Ceratopteris* and other fern species

This medium was developed for the germination of fern spores and may need to be supplemented with a carbohydrate source and gelling agent.

#### References

Hickok, LG, TR Warne, and RS Fribourg. 1995. The biology of the fern *Ceratopteris* and its use as a model system. *Int. J. Plant Sci.* 156: 332-345

Revised 10/2010

## India Contact

### Life Technologies (India) Pvt Ltd.

306, Agarwal City Mall, Road 44, Pitampura, Delhi - 110034 (India)

Tel: +91-11-4220-8000; 4220-8111; 4220-8222 Fax: +91-11-4220-8444, Mobile: +91-98105-21400

Email - customerservice@lifetechindia.com | customerservice@atziabs.com