



## Product Information Sheet

### E2563 Eeuwens Y3 Basal Media

Synonym: Y3, Palm media

#### Properties

Form: Fine to Fluffy Powder  
Appearance: White to Yellow Powder  
Application: Plant Tissue Culture  
Solubility: Water  
Typical Working Concentration: 4.7644 g/L  
Storage Temp: 2-8°  
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 Eeuwens (1976).

#### Formula [mg/L]

Potassium Nitrate	2020
Potassium Chloride	1492
Ammonium Chloride	535
Sodium Phosphate•H <sub>2</sub> O	312
Calcium Chloride, Anhydrous	221.94
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	18.5
Magnesium Sulfate, Anhydrous	120.62
Manganese Sulfate•H <sub>2</sub> O	11.2
Potassium Iodide	8.3

Molybdc Acid (Sodium Salt)• 2H <sub>2</sub> O	0.24
Zinc Sulfate•7H <sub>2</sub> O	7.2
Boric Acid	3.1
Cobalt Chloride• 6H <sub>2</sub> O	0.24
Cupric sulfate•5 H <sub>2</sub> O	0.16
Nickel Chloride•6H <sub>2</sub> O	0.024
Ferrous Sulfate•7H <sub>2</sub> O	13.9

#### Application Notes

Plant Tissue Culture Tested

Plant species: This medium is used for a numerous species.

#### References

Eeuwens CJ (1976) Mineral requirements for growth and callus initiation of tissue explants excised from mature coconut palms (*Cocos nucifera*) and cultured invitro. *Physiol. Plant.* 36:23-28.

**PhytoTechnology Laboratories®**

P.O. Box 12205; Shawnee Mission, KS 66282-2205

Phone: 1-888-749-8682 or 913-341-5343; Fax: 1-888-449-8682 or 913-341-5442

Web Site: [www.phytotechlab.com](http://www.phytotechlab.com)

© 2018 PhytoTechnology Laboratories, LLC