



Product Information Sheet

E2563 Eeuwens's 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 ₂ O	312
Calcium Chloride, Anhydrous	221.94
Na ₂ EDTA•2H ₂ O	18.5
Magnesium Sulfate, Anhydrous	120.62
Manganese Sulfate•H ₂ O	11.2
Potassium Iodide	8.3

Molybdic Acid (Sodium Salt)• 2H ₂ O	0.24
Zinc Sulfate•7H ₂ O	7.2
Boric Acid	3.1
Cobalt Chloride• 6H ₂ O	0.24
Cupric sulfate•5 H ₂ O	0.16
Nickel Chloride•6H ₂ O	0.024
Ferrous Sulfate•7H ₂ 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

India Contact:

Life Technologies (India) Pvt. Ltd.

Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com