



Product Information Sheet

P6670 PhytoReady™ Plant Growth Regulator Matrix

Properties:

Form:	Gel
Appearance:	Gel
Application:	Plant Tissue Culture
Typical Working Concentration:	42.43 g/L
Solubility:	Water
Storage Temp:	2-8°C
Other Notes:	Contains the macro- and micronutrients and vitamins as described by Murashige and Skoog (1962); Modified with the addition of varying concentrations of 6-Benzylaminopurine and α -Naphthaleneacetic Acid. Also contains 30 g/L Sucrose and 8 g/L Agar. Premixed, sterilized, and dispensed into 25x150 mm polycarbonate culture tubes.

Formula [mg/L]:

Ammonium Nitrate	1650
Agar, Micropropagation Grade	8000
Boric Acid	6.2
Calcium Chloride, Anhydrous	332.2
Cobalt Chloride•6H ₂ O	0.025
Cupric Sulfate•5H ₂ O	0.025
Na ₂ EDTA•7H ₂ O	37.26
Ferrous Sulfate•7H ₂ O	27.8
Magnesium Sulfate, Anhydrous	180.7
Manganese Sulfate•H ₂ O	16.9
Molybdic Acid (Sodium Salt)•2H ₂ O	0.25

Potassium Iodide	0.83
Potassium Nitrate	1900
Potassium Phosphate, Monobasic	170
Zinc Sulfate•7H ₂ O	8.6
Glycine (Free Base)	2
myo-Inositol	100
Nicotinic Acid (Free Acid)	0.5
Pyridoxine•HCl	0.5
Sucrose	30,000
Thiamine•HCl	0.1

PGR Concentration and Combination in included media:

PGR	6-Benzylaminopurine (B130)				
	Concentration	0.0 mg/L	0.1 mg/L	1.0 mg/L	2.5 mg/L
α -Naphthaleneacetic Acid (N605)	0.0 mg/L	A	B	C	D
	0.1 mg/L	E	F	G	H
	1.0 mg/L	I	J	K	L
	2.5 mg/L	M	N	O	P

Application Notes:

Plant Tissue Culture Tested

Plant Species: This medium can be used with numerous species; proper research should be conducted to determine if this media is appropriate for your species of interest.

References:

Murashige T, and F Skoog (1962) A revised medium for rapid growth and bioassays with tobacco tissue cultures. *Physiol. Plant.* 15: 472-497.

PhytoTechnology Laboratories®

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

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

Web Site: www.phytotechlab.com

© 2018 PhytoTechnology Laboratories®