



Product Information Sheet

I365 Ichihashi New Phalaenopsis (NP) Medium

Properties

Form:	Powder
Appearance:	White to Cream
Application:	Plant Tissue Culture
Solubility:	Partially Soluble in Cold Water. Fully Soluble in Hot/Boiling Water.
Typical Working Concentration:	25.35 g/L
Storage Temp:	2-6°C
Storage Temp of Stock Solution:	N/A
Other Notes:	Contains the components as described Ichihashi (1992); modified to contain 82.0 mg/L Ammonium Nitrate. Preparation of concentrated solutions is not recommended as insoluble precipitates may form.

Formula

Ammonium Nitrate	82
Ammonium Sulfate	303.9
Boric Acid	3.1
Calcium Nitrate	637.6
Cobalt Chloride•6H ₂ O	0.0125
Cupric Sulfate•5H ₂ O	0.0125
Na ₂ EDTA•2H ₂ O	37.3
Ferrous Sulfate•7H ₂ O	27.8
Magnesium Nitrate	256.4
Manganese Sulfate•H ₂ O	11.2
Molybdc Acid (Sodium Salt) •2H ₂ O	0.125
Potassium Iodide	0.415

Potassium Nitrate	424
Potassium Phosphate, Monobasic	462.7
Zinc Sulfate•7H ₂ O	4.3
Gellan Gum, CultureGel – Biotech	3000
Glycine (Free Base)	2
myo-Inositol	100
Nicotinic Acid (Free Acid)	0.5
Pyridoxine•HCl	0.5
Sucrose	20,000
Thiamine•HCl	0.1

Application Notes

Plant Tissue Culture Tested

Plant species: *Phalaenopsis* spp.

This medium was originally developed for the stem propagation of Phalaenopsis.

References

Ichihashi, S. 1992. Abstr. of IPPS Toyohashi 98.

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