



## 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 <sub>2</sub> O	0.0125
Cupric Sulfate•5H <sub>2</sub> O	0.0125
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	37.3
Ferrous Sulfate•7H <sub>2</sub> O	27.8
Magnesium Nitrate	256.4
Manganese Sulfate•H <sub>2</sub> O	11.2
Molybdc Acid (Sodium Salt) •2H <sub>2</sub> O	0.125
Potassium Iodide	0.415

Potassium Nitrate	424
Potassium Phosphate, Monobasic	462.7
Zinc Sulfate•7H <sub>2</sub> 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.

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