

Product Information Sheet

L472

Lindemann Orchid Basal Medium

Properties

Form:	Powder
Appearance:	White to Off-white
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	22.71 g/L
Storage Temp:	2-6°C
Storage Temp of Stock Solution:	Preparation of concentrated solutions is not recommended as insoluble precipitates may form.
Other Notes:	Contains the macro- and micronutrients as described by Lindemann et al. (1970); contains Sucrose and Vitamins.

Formula

(mg/L)

Aluminum Chloride•6H ₂ O	0.0561
Ammonium Sulfate	1000
Boric Acid	1.014
Calcium Nitrate	347.2
Cupric Sulfate•5H ₂ O	0.019
Ferric Citrate	4.4
Magnesium Sulfate, Anhydrous	58.62
Manganese Sulfate•H ₂ O	0.0515
Nickel Chloride•6H ₂ O	0.0312
Potassium Chloride	1050

Potassium Iodide	0.099
Potassium Phosphate, Monobasic	135
Zinc Sulfate•7H ₂ O	0.565
Glycine (Free Base)	2
myo-Inositol	100
Nicotinic Acid (Free Acid)	1
Pyridoxine•HCl	1
Sucrose	20,000
Thiamine•HCl	10

Application Notes

Plant Tissue Culture Tested

Originally developed for the tissue culture of Cattleya orchids.

References

 Lindemann EG, JE Gunckel, and OW Davidson. 1970. Meristem culture of Cattleya. *Amer. Orchid Soc. Bull.* 39:1002-1004.

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