Product Information Sheet

N492
NB Basal Medium
Modified Chu/ Gamborg Basal Medium

Properties

Form:	Powder
Appearance:	White to Yellow Powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	4.10 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 macronutrients as described by Chu (1975) and the micronutrients & vitamins as described by Gamborg et al. (1968). pH = 3.5 – 4.5

Formula (mg/L)

Ammonium Sulfate	463
Boric Acid	3
Calcium Chloride, Anhydrous	125.33
Cobalt Chloride•$6H_2O$	0.025
Cupric Sulfate•$5H_2O$	0.025
Na_2 EDTA•$2H_2O$	37.26
Ferrous Sulfate•$7H_2O$	27.8
Magnesium Sulfate, Anhydrous	90.37
Manganese Sulfate•H_2O	10

Molybdic Acid (Sodium Salt)•$2H_2O$	0.25
Potassium Iodide	0.75
Potassium Nitrate	2830
Potassium Phosphate, Monobasic	400
Zinc Sulfate•$7H_2O$	2
myo-Inositol	100
Nicotinic Acid (Free Acid)	1
Pyridoxine•HCl	1
Thiamine•HCl	10

Application Notes
Plant Tissue Culture Tested

References
Chu CC, CC Wang, CS Sun, C Hsu, KC Yin, CY Chu and FY Bi. (1975) Scientia Sinic. 18: 659-668.

Gamborg, OL, RA Miller, K Ojima. 1968. Nutrient Requirements of suspension cultures of soybean root cells. Exp. Cell Research 50: 151-158.

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