B1471
BABI Basal Medium

Synonym: Modified B5 Medium

Properties

Form:	Powder
Appearance:	Under Development
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	3.87 g/L
Storage Temp:	2-8°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 and vitamins as described by Greenway *et al.* (2012).

Formula (mg/L)

	mg/mL
Ammonium Nitrate	320
Boric Acid	3
Calcium Chloride, Anhydrous	332.15
Cobalt Chloride•6H_2O	0.025
Cupric Sulfate•5H_2O	0.039
Na_2ETDA•2H_2O	37.3
Ferrous Sulfate•7H_2O	27.8
Magnesium Sulfate, Anhydrous	122.09

	mg/mL
Manganese Sulfate•H_2O	10
Molybdic Acid (Sodium Salt) •2H_2O	0.25
Potassium Iodide	0.75
Potassium Nitrate	2500
Sodium Phosphate, Monobasic	150
Zinc Sulfate•7H_2O	2
Ammonium Phosphate	230
Ammonium Sulfate	134

Application Notes

Plant Tissue Culture Tested

Plant Species: This medium has been shown to increase biomass with many species such as maize, rice, cotton, tobacco, onion, and raspberry (Greenway *et al.* 2012).

References

Greenway MB, Phillips IC, Lloyd MN, Hubstenberger JF, Phillips GC (2012) A nutrient medium for diverse applications and tissue growth of plant species *in vitro*. In Vitro Cell.Dev.Biol. – Plant 48: 403-410