# 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 |
| $Na_2$ETDA•$2H_2O$ | 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

**PhytoTechnology Laboratories®**
14610 W 106th St. Lenexa, KS 66215
Phone: 1-888-749-8682 or 1-913-341-5343; Fax: 1-888-449-8682 or 1-913-341-5442
Web Site: www.phytotechlab.com