PhytoTechnology Laboratories®



Helping to Build a Better Tomorrow through Plant Science™

Product Information Sheet

G219

Gamborg Vitamin Solution (1000x)

Properties

Form: Liquid

Appearance: Clear, Colorless Solution
Application: Plant Tissue Culture
Solubility: Miscible with Water

Typical Working Concentration:

1.0 mL/L of Medium

Storage Temp: 2 – 6 °C

Other Notes: Contains the vitamins as described by Gamborg et al. (1968).

Myo-Inositol may precipitate out of solution when cold; warming with

occasional agitation will redissolved the precipitate.

pH is approx. 2.7 - 4.3

Formula (mg/L)

myo-Inositol	100,000
Nicotinic Acid (Free Acid)	1000
Pyridoxine•HCI	1000
Thiamine•HCI	10,000

Application Notes

Plant Tissue Culture Tested

References

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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