



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•HCl	1000
Thiamine•HCl	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.