



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
Storage Temp of Stock Solution:	N/A
Other Notes:	Contains the vitamins as described by Gamborg (1968). Myo-Inositol may precipitate out of solution when cold; warming with occasional agitation will redissolved the precipitate. pH = 3.75 – 4.75

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.

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PhytoTechnology Laboratories, LLC

P.O. Box 12205; Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 or 913-341-5343; Fax: 1-888-449-8682 or 913-341-5442
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