Product Information Sheet

G249
Gamborg Vitamin Powder (1000x)

Properties

Form:	Powder
Appearance:	White to Off-white powder
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	11.20 g/ 100 mL 1.0 mL/L of medium when reconstituted to volume indicated on the label.
Storage Temp:	2 – 6° C
Storage Temp of Stock Solution:	2 – 6° C
Other Notes:	Contains the vitamins as described by Gamborg (1968). Myo-Inositol may precipitate out of the prepared stock solution when cold; warming with occasional agitation will redissolved the precipitated myo-Inositol.

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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