



## 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 for stock solution.  
Concentration: Use at 1.0 mL/L of medium when dissolved at 11.20 g/100 mL.  
Storage Temp: 2 – 6 °C  
Storage Temp of Stock Solution: 2 – 6 °C  
Other Notes: Contains the vitamins as described by Gamborg et al. (1968). Myo-Inositol may precipitate out of the prepared stock solution when cold; warming with occasional agitation will redissolve 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.