



Product Information Sheet

D2206 DE GREEF & JACOBS BASAL MEDIUM

Properties

Form:	Powder
Appearance:	White to Light Yellow
Application:	Plant Tissue Culture
Solubility:	Soluble in Water
Typical Working Concentration:	3.91 g/L
Storage Temp:	2-6 °C
Storage Temp of Stock Solution:	Preparation of concentrated solutions is not recommended as insoluble precipitates may form.
Other Notes:	Contains the macro- and micronutrients and vitamins as described by De Greef & Jacobs (1979). Plant Tissue Culture Tested, Unadjusted pH (approximately): 4.0 – 5.0

Formula (mg/L)

Ammonium Sulfate	400	Potassium Iodide	1.58
Boric Acid	10.62	Potassium Nitrate	2,000
Calcium Chloride, Anhydrous	226.5	Sodium Phosphate, Monobasic	250
Cobalt Chloride	0.0025	Sodium Molybdate	0.0025
Cupric Sulfate	0.0025	Zinc Sulfate 7H ₂ O	1.06
Ferrous Sulfate 7H ₂ O	27.8	myo-Inositol	100.0
Magnesium Sulfate Anhydrous	244.33	Nicotinic Acid	1.0
Manganese Sulfate H ₂ O	1.68	Pyridoxine HCl	1.0
Na ₂ EDTA 2H ₂ O	37.26	Thiamine HCl	10
Potassium Chloride	600		

Application Notes

Originally used in the tissue culture of sugar beets.

References

De Greef W, Jacobs M. 1979. *In vitro* culture of sugar beet: description of a cell line with high regeneration capacity. *Plant Science Letters* 17, 55-61.