

### Technical Information

#### Gresshoff & Doy (DBM2) Microelements Solution (100X)

Product Code: PL1006

#### Composition\*\*

Ingredients	mg/Litre
Manganese sulphate.H <sub>2</sub> O	100.01
Boric acid	30.00
Potassium iodide	80.00
Molybdic acid (sodium salt).2H <sub>2</sub> O	2.50
Zinc sulphate.7H <sub>2</sub> O	30.00
Copper sulphate.5H <sub>2</sub> O	2.50
Cobalt chloride.6H <sub>2</sub> O	2.50
Ferrous sulphate.7H <sub>2</sub> O	2780.00
EDTA disodium salt.2H <sub>2</sub> O	3725.00
<b>TOTAL</b>	<b>6.75 gm/1000ml</b>

#### Directions

Use 10ml per litre of microelements stock solution.

#### Quality Control

##### Appearance

Colourless to yellow, clear solution.

##### pH

2.4 ±0.5 of 100ml microelements stock solution.

##### Cultural Response :

Growth promoting activity of solution is assessed after addition of this product in complete medium using shoot tips, nodes or callus for 5 weeks at 25°C ±2°C with 16 hrs photoperiod and 8 hrs darkness. Actively growing shoots and callus is observed.

##### Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

#### Further Reading

1. Gresshoff P.M. & Doy C.H., Z. Pflanzenphysiol., (1974), 73, 132 - 141

#### Storage Temperature and Shelf Life

Store product at 2-8°C away from bright light. Shelf life of product is 13 months. Use before expiry date.

# Plant Tissue Culture



## Product Specification

[cdhfinechemical.com](http://cdhfinechemical.com)

### Disclaimer

- User must ensure suitability of the product(s) in their application prior to use.
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