

### Technical Information

#### Linsmaier & Skoog Microelements Solution (100X)

Product Code: PL1010

#### Composition\*\*

Ingredients	mg/Litre
Manganese sulphate.H <sub>2</sub> O	1689.70
Boric acid	620.00
Potassium iodide	83.00
Molybdic acid (sodium salt).2H <sub>2</sub> O	25.00
Zinc sulphate.7H <sub>2</sub> O	860.00
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	3730.00
<b>TOTAL</b>	<b>9.79 gm/1000ml</b>

#### Directions

Use 10ml/L of microelements stock solution

#### Quality Control

##### Appearance

Colourless to yellow, clear solution.

##### pH

2.5 ± 0.5 of 100ml macroelements 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. Linsmaier E.M. & Skoog F., Physiol. Plant., (1965), 18, 100 - 127.

#### 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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