

Technical Information

Murashige & Skoog Macroelements Solution (10X)

Product Code: PL1012

Composition**

Ingredients	mg/Litre
Manganese sulphate.H ₂ O	1689.70
Boric acid	620.00
Potassium iodide	83.00
Molybdic acid (sodium salt).2H ₂ O	25.00
Zinc sulphate.7H ₂ O	860.00
Copper sulphate.5H ₂ O	2.50
Cobalt chloride.6H ₂ O	2.50
Ferrous sulphate.7H ₂ O	2780.00
EDTA disodium salt.2H ₂ O	3730.00
TOTAL	9.79gm/1000ml

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.

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

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.

Storage and Shelf Life

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

Further Reading

- Murashige T. & Skoog F., *Physiol. Plant.*, (1962), 15, 473 - 497.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performs parameters.