Technical Information

Kao & Michayluk Macroelements Solution (10X)

Product Code: PL1007

Composition**

Ingredients	mg/Litre
Potassium nitrate	19000.00
Ammonium nitrate	6000.00
Calcium chloride.2H_2O	6000.00
Magnesium sulphate	1468.40
Potassium phosphate monobasic	1700.00
Potassium chloride	3000.00
TOTAL	**37.17gm/1000ml**

Directions

Use 100ml per litre of macroelements stock solution.

Quality Control

Appearance
Colourless to yellow, clear solution.

pH
4.2 ±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. Kao K.N. & Michayluk M.R., Planta, (1976), 126, 105 - 110

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.

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 performance parameters.