

Technical Information

Murashige & Skoog Macroelements Solution (10X)

Product Code: PL1011

Composition**

Ingredients	mg/Litre
Potassium nitrate	19000.00
Ammonium nitrate	16500.00
Calcium chloride.2H ₂ O	4400.00
Magnesium sulphate	1806.88
Potassium phosphate monobasic	1700.00
TOTAL	43.41 gm/1000ml

Directions

Use 100ml/L of macroelements stock solution

Quality Control

Appearance : Colourless to yellow, clear solution.

PH : 4.0 ±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.

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.
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