

Technical Information

Murashige & Skoog Basal Solution (10X)

Product Code: PL1028

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
Manganese sulphate.H ₂ O	168.97
Boric acid	62.00
Potassium iodide	8.30
Molybdic acid (sodium salt).2H ₂ O	2.50
Zinc sulphate.7H ₂ O	86.00
Copper sulphate.5H ₂ O	0.25
Cobalt chloride.6H ₂ O	0.25
Ferrous sulphate.7H ₂ O	278.00
EDTA disodium salt.2H ₂ O	373.00
TOTAL	44.38 gm/1000ml

Directions

Use 100ml/L of basal stock solution

Quality Control

Appearance : Colourless to yellow, clear solution.

PH : 3.4 ±0.5 of 100ml basal 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 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.

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.
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