

# TP 026 - MURASHIGE & SKOOG MEDIUM Vitamin (1000x)

#### **INTENDED USE**

Supports or facilitate plant growth and/or shoot proliferation in two or more plant tissue cultures (both in monocotyledons and dicotyledons).

## **COMPOSITION**

Ingredients	Mg / Ltr
Myo-inositol	100000.000
Pyridoxine HCl	500.000
Thiamine HCl	100.000
Nicotinic acid ( Free acid)	500.000
Glycine ( Free base)	2000.000

Formula weight: 103.10gms/ltr

## **QUALITY CONTROL SPECIFICATIONS**

**Appearance** : White to Off-white powder

**Solubility** : Water soluble

pH (at 25°C) : 3.7 ±0.5 of 50ml vitamins stock solution

## **INSTRUCTION FOR USE**

Use 1ml/L of vitamins stock solution

## **Cultural Response**

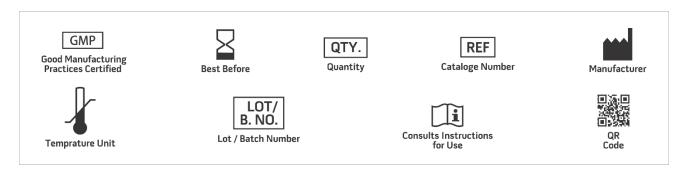
Growth promoting activity of solution is assessed after addition of this product in complete medium using shoot tips, nodes or callus for 5 weeks at 25°C ±2°C with 16 hrs photoperiod and 8 hrs darkness. Actively growing shoots and callus is observed.

## **Storage Temperature and Shelf Life**

Store product at 2-8°C. Powdered vitamin mixtures are hygroscopic and must be protected from atmospheric moisture & bright light. Use before expiry date.

## Reference

1. Murashige T. & Skoog F., Physiol. Plant., (1962), 15, 473 – 497.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

\*For Lab Use Only

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