

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.

 Good Manufacturing Practices Certified	 Best Before	 Quantity	 Catalogue Number	 Manufacturer
 Temperature Unit	 Lot / Batch Number	 Consults Instructions for Use	 QR Code	

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

***For Lab Use Only**
Revision: 04 Oct., 2025

