

TP 074 – GAMBORG'S (VITAMIN 1000X POWDER)

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	1000.00
Thiamine HCl	10000.00
Nicotinic acid	1000.00

Formula weight: 112 gms/ltr

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : White to light tan with homogenous mixture of free flowing powder.
Appearance of prepared medium : Colorless to slight yellow solution, clear, complete.
pH (at 25°C) : 2.7 ± 0.2










INSTRUCTION FOR USE

The basic steps for preparing 1000X concentrated solutions of vitamin mixture are listed below:

- Measure out 70% of the final required volume of deionized-distilled water (e.g. 70 ml for a final volume of 100 ml).
- While stirring the water add the powdered vitamin mixture. Stir until completely dissolved. Increasing the pH and/or warming solution (35- 37 °C) may be required.
- Rinse the original container with a small volume of water to remove traces of the powder. Add to the solution in Step No. 2.
- Add additional water to bring the medium to the final volume.
- The resulting 1000X concentrated solution should be used at a concentration of 1 ml/L of medium.
- Follow the same steps to prepare a 100X concentrated solution and use at 10 ml/L of medium.

STORAGE

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

 GMP Good Manufacturing Practices Certified	 Best Before	 QTY. Quantity	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 LOT/ B. NO. 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: 28 Feb., 2022