

PhytaPro™

Plant Culture Tested

Product Code: PL047

Product Description :

Microbial contamination is the most important reason for explant loss in plant tissue culture. The tissue culture media provide a rich mixture of nutrients which can also support the rapid growth of bacteria and fungi. Once these contaminants are established in culture, they usually grow quickly, depleting the medium of nutrients and producing toxins that can affect the growth and ultimately kill the cultured plant tissue. PhytaPro™ is a ultimate and precautionary solution to this problem.

PhytaPro™ is a broad spectrum biocide/fungicide specifically designed for the use in plant tissue culture. It is a heat stable preservative/biocide which can be used to effectively prevent or reduces microbial contamination in plant tissue culture.

PhytaPro™ is a biodegradable antimicrobial product and its use at correct concentration in plant tissue culture helps to prevent and control contamination without affecting seed germination and callus proliferation.

Usage Instructions:

- . PhytaPro™ to be used at the concentration ranging from 0.05 ml to 1 ml per litre depending on the sensitivity of the plant species . The product can be added before autoclaving.
- . There can be increase in pH on its addition, so pH has to be adjusted as per user procedure

Quality Control:

Appearance

Yellow to pink liquid

Solubility

Miscible in water

Density (g/ml)

1.10 - 1.15

pH (0.01% in aqueous solution)

7.00 -8.00

Cultural response

Antibacterial and Antifungal activity is determined by using Soyabean Casein Digest Agar incubated at 30-35°C for 18-24 hours for bacteria and Sabouraud Dextrose Agar incubated at 20-25°C for 3-5 days for fungi and yeasts.

Storage and Shelf Life:

- . Store below 30°C
- . Use before expiry date as given on product label

Revision : 01/ 2022

Disclaimer :

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