

Datasheet**Nystatin Suspension****Antifungal Agent**

Product	Description	Catalogue-No.	Size
Nystatin Suspension	Antifungal agent in suspension	P06-07800	100 ml

Product description

Nystatin suspension is formulated at 10'000 Units/ml Nystatin in DPBS. It is a fungistatic and fungicidal polyene antibiotic which mode of action is increasing the permeability of the cell membrane of sensitive fungi by binding to sterols, mainly ergosterol. Its main action is against candida species. Nystatin is produced by *Streptomyces noursei* and *Streptomyces aureus*.

Storage conditions powder:

Storage conditions: -20°C

Stability: two years from date of production when stored frozen

Filling: 100 ml

Special Advantages

Nystatin is often used in cell culture to prevent the contamination with fungi, it has no antibacterial activity. It is also often used for enriching mutants by killing yeast cells.

Instructions for use

Nystatin is soluble at 28 °C in methanol (11.2 mg/ml), ethanol (1.2 mg/ml), carbon tetrachloride (1.23 mg/ml), chloroform (0.48 mg/ml), and ethylene glycol (8.75 mg/ml).

It is also soluble in DMSO (5mg/ml) giving a clear, bright yellow solution.

It is not recommended to autoclave or sterile filter suspension of Nystatin.

Aqueous suspensions are stable for 10 minutes when heating to 100 °C pH 7. In tissue culture media is stable at 37 °C for three days.

The minimum inhibitory concentration for most sensitive fungi has been reported to range from 1.56 to 6.25 µg/ml

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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