

Background

Funox® is an additive for culture media which contains Natamycin, a naturally occurring antimicrobial agent that protects cell cultures from a broad range of common fungi and yeast contaminants. It can be used for immortalized cell cultures as well as for contamination prevention in freshly prepared primary cell cultures. No cytotoxic effects have been reported on the various cell lines used, provided that the product is used according to instructions.

Content

The easily applicable 500x aqueous solution is sterile-filtered and ready-to-use.

Component	Quantity	
	Cat. No. 14-0020	Cat. No. 14-0060
Funox® 500x aqueous solution	1 × 20 ml	3 × 20 ml

Instruction for use

Funox® can be added directly to any flask or plate of cell culture, preferably while changing the medium or after passaging cells. It should be refreshed after 7 days of incubation at 37 °C to achieve maximum protection.

Recommended use

Funox® is applicable in research and industry for direct testing of cell cultures and biologicals. Not recommended for clinical diagnostics. We recommend to use the product on two different concentrations:

1. Cell culture media additive for prevention:

Add 1 ml of Funox® to a 500 ml batch of complete, ready-to-use cell culture medium (1:500 dilution final concentration 10 µg/ml as a prophylactic product into cell cultures)

2. Cell culture media treatment for elimination (at early stage of contamination):

- Add 2.5 ml of Funox® to 500 ml of freshly prepared, complete cell culture medium.
- Replace medium of the contaminated cell culture with the Funox®-containing full medium by splitting or medium change (1:200 dilution, final concentration 25 µg/ml to eliminate existing fungal contaminations)

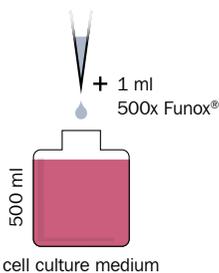
We advise to discard the cell culture in case of advanced stage of contamination.

Storage

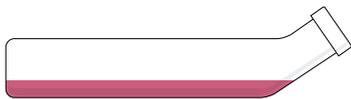
Funox® is more stable when stored under refrigeration conditions (4°C ± 2°C) in a dark place.

PROCEDURE – OVERVIEW

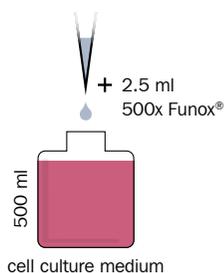
1. Cell culture media additive for prevention



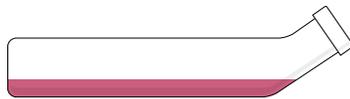
+ required volume to cell culture
cultivate cells as usual



2. Cell culture media treatment for elimination (at early stage of contamination)



Replace contaminated-cell culture medium
+ with Funox®-containing medium by splitting
or medium change



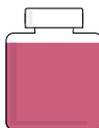
refresh medium containing Funox®
after max. 7 days



Storage



Funox®
4°C ± 2°C in a dark place
long term



medium + Funox®
up to 4 weeks.

+ add

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