

ZellShield®

Cell culture supplement for prevention of bacterial and fungal contaminations

Background

ZellShield® is a ready-to-use multi-functional supplement, for protection of cell cultures from a broad range of common contaminants such as bacteria, fungi, yeast, and mycoplasma. This protective effect is achieved thanks to a combination of novel components with antibiotic and antimycotic properties and negligible side effects. When ZellShield® is added to the culture medium as described below, the application of conventional antibiotics such as penicillin, streptomycin, nystatin etc. can safely be omitted.

ZellShield® can be used routinely as additive directly to the medium to safeguard cell cultures.

Precautions and Storage

ZellShield® is for research use only. Avoid contact to eyes and skin. Rinse with water in case of direct contact. Wear gloves while handling this product. Do not swallow.

ZellShield® is shipped on cool packs and must be stored ≤ -18 °C. Cell culture medium supplemented with ZellShield® can be stored at +2 to +8 °C for up to 4 weeks. This product is light sensitive and should be stored accordingly.

Instructions for Use

The application of ZellShield® is very simple: the sterile solution is a 100-fold concentrate to be added to the cell culture medium. One bottle with 50 ml is sufficient for 5 liters of culture medium.

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

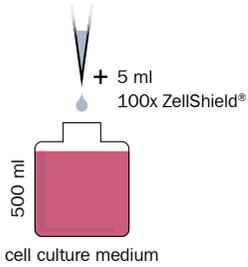
ZellShield® contains a fluoroquinolone and can be used in conjunction with other antibiotics used as resistance marker. The other antibiotic components are not used as resistance markers. An additional application of Pen/Strep is feasible but not recommended.

Cat. No.: 13-0050, 50 ml, sufficient for 5 liters of culture medium
13-0150, 3 × 50 ml, sufficient for 15 liters of culture medium

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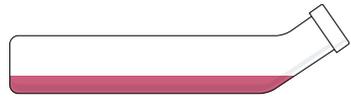
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PROCEDURE – OVERVIEW

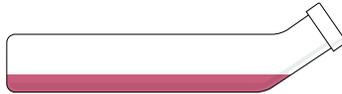


mix

+ required volume to cell culture
cultivate cells as usual



refresh medium containing ZellShield®
after max. 7 days



Storage



ZellShield®
≤ -18 °C
long term



medium + ZellShield®
2-8 °C
up to 4 weeks

+ add