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Apoptosis Inducer Set (Ready-to-use)

Introduction

Apoptosis Inducer Set (Ready-to-use) contains 5 ready-to-use chemical reagents that induce apoptosis through different mechanisms. Actinomycin D, an antineoplastic antibiotic, inhibits RNA synthesis. Camptothecin, an inhibitor of nuclear topoisomerase, induces apoptosis in many types of cells. Cycloheximide, an active antibiotic against many yeast and fungi, inhibits protein synthesis. Dexamethasone, an active and highly stable glucocorticoid, probably induces apoptosis by binding and activating the intracellular glucocorticoid receptor. Etoposide, a derivative of podophyllotoxin, inhibits topoisomerase activity.

Components and Storage

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Size Components	1 Kit	Storage
Actinomycin D (10 mM)	50 µL	-20°C away from light
Camptothecin (2 mM)	1 mL	-20°C
Cycloheximide (100 mM)	1 mL	-20°C
Dexamethasone (10 mM)	1 mL	-20°C
Etoposide (100 mM)	100 µL	-20°C
Shipping: Blue ice	Shelf life: 1 year	

Protocol

The stock solution provided in this kit can be diluted directly into the medium at a ratio of 1:1000 to induce apoptosis. At the same time, the optimal concentration of each reagent may vary depending on the cell type and culture conditions, and needs to be optimized.

Note

1. For research use only. Not to be used in clinical diagnostic or clinical trials.



















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