

Cell Stimulation Cocktail (Without Protein Transport Inhibitors, 500X)

Introduction

Cell Stimulation Cocktail (Without Protein Transport Inhibitor, 500X) is a pre-mixture cocktail of 12-myristate 13-acetate (PMA) and ionomycin. Stimulation of cells with PMA and ionomycin can induce many cell activations, which in turn induce the production of cytokines. It can then be detected by immunoassays. This cocktail can be combined with protein transport inhibitors (such as brefeldin A and monensin), which allows the resulting cytokines to remain in the cell.

This reagent is supplied as a stock solution dissolved in ethanol and can be used directly. The concentration of PMA is 40.5 μM (25 $\mu\text{g/mL}$), and ionomycin is 670 μM (0.5 mg/mL).

Components and Storage

Components	K2716-100 μL
Cell Stimulation Cocktail (Without Protein Transport Inhibitors, 500X)	100 μL
Store the reagent at -20°C away from light, stable for 1 year.	

Protocol

1. When using, dilute this reagent in the cell culture medium at a ratio of 1:500 so that the final concentration of this reagent is 1X. The cell stimulation time varies depending on the desired results.

Note

1. This product is an ethanol solution, which will not be frozen in storage temperatures. However, ethanol is volatile, so it must be sealed tightly and stored at low temperatures after use to avoid excess evaporation.
2. For your safety and health, please wear lab coats and gloves during the experiment.
3. For research use only. Not to be used in clinical diagnostic or clinical trials.

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