

Protein Transport Inhibitors (500X)

Introduction

Protein Transport Inhibitors (500X) is a pre-mixture cocktail of brefeldin A and monensin. Brefeldin A and monensin are protein transport inhibitors that allow secreted proteins to accumulate in the endoplasmic reticulum and Golgi, allowing the resulting cytokines to remain in the cell. It can be used as a negative control for the Cell Stimulation Cocktail (Protein Transport Inhibitors Plus, 500X).

This reagent is supplied as a stock solution dissolved in ethanol and can be used directly. The concentration of brefeldin A is 5.3 mM (1.5 mg/mL), and monensin is 1 mM (0.7 mg/mL).

Components and Storage

| Components | K2717-100 µL |
|--|--------------|
| 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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