

## Protein Transport Inhibitor Cocktail (500×)

### Catalog No.      Size

FXP050-100	100 uL
FXP050-4x100	4 x 100 uL

**Concentration:** 500× (Use at 1×:dilute 1/500)

**Formulation:** BFA (5.3mM), Monensin(1mM) in Ethanol(500×)

**Storage Condition:** Store at -20° C. Protect from light.

**Handling Conditions:** Wear suitable personal protective equipment and gloves.

### DESCRIPTION:

The Protein Transport Inhibitor Cocktail (500X) is a cocktail of Brefeldin (BFA) and Monensin. It is suitable for use in assays in which prevention of protein transport to the extracellular space is desired and has been specifically formulated for use as a negative control for the Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)(Cat:FXP049). Addition of this cocktail to cells in culture inhibits the intracellular protein secreted/transport pathway resulting in the accumulation of secreted proteins in the lumen of the endoplasmic reticulum and in the Golgi apparatus. This accumulation can then be detected by intracellular staining and flow cytometric analysis and Western blotting.

### Applications Reported:

The Protein Transport Inhibitor Cocktail (500X) has been reported for use in flow cytometric analysis.

### Applications Test:

The Protein Transport Inhibitor Cocktail (500X) has been tested by treatment of mouse splenocytes for 5 or 18h in combination with the Cell Stimulation Cocktail (500X)(Cat:FXP048) followed by intracellular staining and flow cytometric analysis of IFN-gamma. This cocktail is supplied as a 500X concentration and can be directly added to culture medium at 1×(2ug/ml).

This product is formulated with a solvent that will not freeze at the recommended storage temperatures. It is recommended that this product be kept tightly sealed and cold at all times to avoid excess evaporation.

### Related Products:

Catalog No.	Product Name	Applications
FXP045	Monensin Solution (1,000×)	
FXP046	Lipopolysaccharide (LPS) Solution (500×)	
FXP047	Phytohemagglutinin-L (PHA-L) Solution (500×)	
FXP048	The Cell Stimulation Cocktail (500×)	
FXP049	Cell Stimulation Cocktail (plus protein transport inhibitors) (500×)	