

Product No. 07575

## Phosphatase Inhibitor Cocktail (EDTA free)

Phosphatase Inhibitor Cocktail is a mixture of several inhibitors to protect valuable proteins from dephosphorylation. The product preserves phosphorylated proteins existing in small quantity in cells and tissues.

### Features

- Contains some phosphatase inhibitors useful for serine/ threonine phosphatase, tyrosine phosphatase, acid phosphatase, alkali phosphatase.
- Suitable for the metal-dependent proteins and calcium dependent proteins.
- Suitable for purification of proteins by metal chelate affinity chromatography.
- Dilute with any buffer of your choice because of concentrated stock solution.
- Compatible with protein assay such as the Protein Assay Bicinchoninate Kit (Product No. 06385) and the Protein Assay Lowry Kit (Product No. 29470).
- Stable for a long time in refrigerator.

### Composition

100-fold concentrated stock solution which includes some phosphatase inhibitors.

### Protocol

Dilute 100 fold with any buffer of your choice.

### Caution

- If phosphatase concentration is high, it can be diluted by 20 – 50-fold.
- The product may cause inhibition of 2D electrophoresis. Remove inhibitors by dialysis or desalt before use.
- The product does not contain protease inhibitors. For homogenizing cells and tissues, if necessary, add protease inhibitor cocktail, such as Protease Inhibitor Cocktail (EDTA free) (Product No. 03969).
- The product includes Imidazole for inhibitor. In case of Metal Affinity Purification, it is recommended a pretest with reducing Imidazole concentration in the buffer by 5mM
- The product colors gradually.
- Direct light may interfere with an inhibition effect; shield the product from the light after using.
- The components may be precipitated during storage. Before use, melt it by vortex at 30 - 40 °C shielding light.

### Storage

Refrigerator, protect from light

### Expiration

Two years from manufacturing. Expiration date is stated on the product label (Exp. yy / mm)

### Packing

1 ml (Product No.07575-51)