

## Phosphatase Inhibitor Cocktail III

**Catalog#** BWR1017

**Size:** 1ml

**Lot #** Check on the product label

### Introduction

During the process of the tissues and cells lysis, they released a large number of endogenous protein phosphatases, the latter catalyze the phosphorylated proteins to dephosphorylation in various ways. This product contains 4 independent protein phosphatase inhibitors, each can specifically inhibit the activities of one or several protein phosphatases. With the optimized contents, this product can restrain the activities of almost all important protein phosphatases, including protein serine / threonine phosphatase (PP1, PP2A, PP2B, PP2C), protein tyrosine phosphatase (PTPs), alkaline phosphatase, acid phosphatase etc. It is 100× concentrated solution, can be directly added into any tissues and cells lysis product, can effectively inhibit the phosphorylated proteins to dephosphorylation, so as to maintain the phosphorylated state of proteins. It is apply to detect phosphorylated proteins, protein kinase activity, etc in Western Blot and Co-Immunoprecipitation.

### Kit Components

Components	Size	Storage Instruction
Phosphatase Inhibitor Cocktail III	1 ml (100×)	Stored at -20°C for one year.

### Protocol

Dilute Phosphatase Inhibitor Cocktail III at 1:100 in an appropriate lysis buffer and mix thoroughly, then extract the sample protein, or according to the purpose of experiment, and the cultured cells and tissues, grope and optimize the experimental conditions through experiment.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.