



YamayBio

# Phosphatase Inhibitor Cocktail (100×)

QUICK START GUIDE

For research use only.  
Not for use in diagnostic procedures.

# Contents and Storage

Phosphatase Inhibitor Cocktail (100×)

BH5482 1mL

**Storage:** Store at -20°C for 12 months. The product is shipped with ice packs.

## Introduction

This product is a broad-spectrum phosphatase inhibitor that effectively blocks multiple classes of cellular phosphatases, including serine/threonine, tyrosine, acid, and alkaline phosphatases. It is suitable for protein quantification and activity-based assays such as Western blotting, co-immunoprecipitation (Co-IP), pull-down assays, immunofluorescence (IF), and immunohistochemistry (IHC), providing protection against dephosphorylation during sample preparation.

## Ingredient Description

The formulation contains eight highly effective phosphatase inhibitors, including sodium fluoride, sodium orthovanadate, sodium molybdate, sodium tartrate, imidazole, sodium pyrophosphate decahydrate,  $\beta$ -glycerophosphate, and cantharidin.

## Quick Start Protocol

1. Allow the bottle to equilibrate to room temperature.
2. Vortex thoroughly to obtain a homogeneous suspension.
3. Immediately before use, add the Phosphatase Inhibitor Cocktail to the cell lysate or extract at a 1:100 (v/v) dilution to achieve a final 1X concentration.

### Note:

1. Avoid using EDTA-containing protease inhibitors with this product, as EDTA may interfere with key components of the phosphatase inhibitor cocktail, which already includes chelating agents.
2. Due to the high concentration of this product, slight crystalline precipitates may form during long-term storage. This is normal and does not affect performance.
3. A 1:100 dilution is the standard recommended usage. For samples with high phosphatase activity, the inhibitor concentration may be increased.