



YamayBio

Protease Inhibitor Cocktail, EDTA-Free (100×)

QUICK START GUIDE

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

Contents and Storage

Protease Inhibitor Cocktail, EDTA-Free (100×)

BH5481 1mL

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

Introduction

This product is a broad-spectrum protease inhibitor that effectively blocks a wide range of cellular proteases, including serine, cysteine, aspartic, aminopeptidases, and metalloproteases. It is suitable for protein quantification or activity-based assays such as Western blotting, co-immunoprecipitation (Co-IP, pull-down assays, immunofluorescence (IF), and immunohistochemistry (IHC), and helps prevent proteolytic degradation during sample preparation.

Ingredient description

This product contains nine highly efficient protease inhibitors: AEBSF, aprotinin, bestatin, E-64, leupeptin, pepstatin A, phosphoramidon, benzamidinium HCl, and 1,10-phenanthroline.

Quick Start Protocol

1. Equilibrate the bottle to room temperature.
2. Vortex thoroughly to ensure a homogeneous suspension.
3. Immediately before use, add the protease inhibitor cocktail to the cell lysate or extract at a 1:100 (v/v) dilution to achieve a final 1x concentration.

Note:

1. This product does not contain EDTA. If required, EDTA may be added separately. When used together with the phosphatase inhibitor cocktail (BH5482), EDTA is not recommended, as it may significantly reduce the effectiveness of certain components.
2. Due to the high concentration of the 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 recommended standard usage. For samples with high protease activity, the inhibitor concentration may be increased accordingly.