

Halt Phosphatase Inhibitor Single-Use Cocktail

78428

2050.2

Number	Description
78428	Halt Phosphatase Inhibitor Single-Use Cocktail (100X) , 100 μ L \times 24 microtubes, sufficient for 240mL of sample

Storage: Upon receipt store at 4°C. Product shipped on ice pack.

Introduction

The Thermo Scientific™ Halt™ Phosphatase Inhibitor Single-Use Cocktail protects phosphoproteins from serine/threonine and tyrosine phosphatases. The cocktail contains a mixture of four inhibitors of broad specificity including sodium fluoride, sodium orthovanadate, sodium pyrophosphate and β -glycerophosphate. The cocktail is suitable for use with any cell or tissue extract. The cocktail is compatible with immunoprecipitation and kinase assays and with popular protein assays such as the Thermo Scientific Pierce BCA Protein Assay Kit (Product No. 23225) and Coomassie Plus (Bradford) Assay (Product No. 23236).

Important Product Information

- This product contains phosphatase inhibitors and does not contain protease inhibitors. If protease inhibitors are required, add a broad-spectrum inhibitor (e.g., Halt Protease Inhibitor Single-Use Cocktail, Product No. 78425) to the cell lysis buffer.
- This phosphatase inhibitor cocktail interferes with immobilized metal-chelate affinity chromatography (IMAC) and 2-D gel electrophoresis. Either dialyze or desalt (see the Related Thermo Scientific Products Section) sample to effectively remove inhibitors from cell extracts before performing such procedures.
- The inhibitor cocktail is effective when used at a 1X final concentration; however, samples that contain particularly high levels of phosphatase activity might require a more concentrated treatment (i.e., 2-3X).
- This phosphatase inhibitor cocktail is compatible with our protein extraction reagents (see the Related Thermo Scientific Products Section).

Procedure for Phosphatase Inhibition

Note: Up to 10mL of lysis buffer or cell extract can be treated with one tube of cocktail.

1. Remove the block of cocktail microtubes from the foil pouch. Use scissors to carefully cut off one tube from the block. Return unused tubes to the pouch and place at 4°C immediately after removing the required tubes.

Note: To preserve the integrity of the foil seals, use scissors to cut the strip. Do not tear the tubes from the strip as this will compromise the seals of neighboring tubes.

2. Vortex the tube before use to ensure a homogeneous suspension. Puncture the foil seal with a pipette tip.
3. Immediately before use, add 10 μ L of Halt Phosphatase Inhibitor Single-Use Cocktail per milliliter of sample directly to the cell lysis buffer or extract to produce a 1X final concentration.

Note: Samples that contain particularly high levels of phosphatase activity might require a more concentrated treatment (i.e., 2-3X).

Related Thermo Scientific Products

78420	Halt Phosphatase Inhibitor Cocktail (100X), 1mL
78426	Halt Phosphatase Inhibitor Cocktail (100X), 5 × 1mL
78427	Halt Phosphatase Inhibitor Cocktail (100X), 10mL
88662	Pierce™ Phosphatase Inhibitor Tablets, 20 tablets
78440	Halt Protease and Phosphatase Inhibitor Cocktail (100X), 1mL
78444	Halt Protease and Phosphatase Inhibitor Cocktail (100X), 5 × 1mL
78446	Halt Protease and Phosphatase Inhibitor Cocktail (100X), 10mL
88663	Pierce Protease and Phosphatase Inhibitor Tablets, 20 tablets
88664	Pierce Protease and Phosphatase Inhibitor Tablets, EDTA-free, 20 tablets
87786	Halt Protease Inhibitor Cocktail Kit, 1mL
78429	Halt Protease Inhibitor Cocktail (100X), 5mL
78438	Halt Protease Inhibitor Cocktail (100X), 10mL
87785	Halt Protease Inhibitor Cocktail, EDTA-free (100X), 1mL
78437	Halt Protease Inhibitor Cocktail, EDTA-free (100X), 5mL
78439	Halt Protease Inhibitor Cocktail, EDTA-free (100X), 10mL
78248	B-PER™ Bacterial Protein Extraction Reagent, 500mL
78990	Y-PER™ Yeast Protein Extraction Reagent, 500mL
78833	NE-PER™ Nuclear and Cytoplasmic Extraction Kit
78501	M-PER™ Mammalian Protein Extraction Reagent, 250mL
66380	Slide-A-Lyzer™ Dialysis Cassettes, 10K MWCO, 3mL, 10/pkg*
89889	Zeba™ Spin Desalting Columns, 7K MWCO, 2mL, 5/pkg
89890	Zeba Spin Desalting Columns, 7K MWCO, 2mL, 25/pkg
89891	Zeba Spin Desalting Columns, 7K MWCO, 5mL, 5/pkg
89892	Zeba Spin Desalting Columns, 7K MWCO, 5mL, 25/pkg
89893	Zeba Spin Desalting Columns, 7K MWCO, 10mL, 5/pkg
89894	Zeba Spin Desalting Columns, 7K MWCO, 10mL, 25/pkg

*Please see the catalog or website for a complete list of Slide-A-Lyzer Products.

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