

Halt™ Phosphatase Inhibitor Cocktail

78420 78426 78427

1754.2

Number	Description
78420	Halt Phosphatase Inhibitor Cocktail (100X), 1 ml, sufficient reagent for up to 100 ml of extract
78426	Halt Phosphatase Inhibitor Cocktail (100X), 5 × 1 ml, sufficient reagent for up to 500 ml of extract
78427	Halt Phosphatase Inhibitor Cocktail (100X), 10 ml, sufficient reagent for up to 1 L of extract

Storage: Upon receipt store product at 4°C. Product is shipped with an ice pack. Do not freeze product.

Introduction

The Halt Phosphatase Inhibitor Cocktail protects phosphoproteins from serine/threonine phosphatases as well as protein tyrosine phosphatases (PTPs). The cocktail contains a mixture of four inhibitors of broad specificity, including sodium fluoride, sodium orthovanadate, sodium pyrophosphate and β -glycerophosphate. Conveniently packaged in a 100X format, the cocktail is stable at 4°C and is suitable for use with any cell or tissue extract. The cocktail preserves protein phosphorylation in immunoprecipitation and kinase assays. Furthermore, the cocktail is compatible with popular protein assays such as the Pierce® BCA Protein Assay Kit (Product No. 23225) and Pierce Coomassie Plus (Bradford) Assay (Product No. 23236).

Important Product Information

- The Halt Phosphatase Inhibitor Cocktail does not contain protease inhibitors. If necessary, use a broad-spectrum protease inhibitor, such as the Halt Protease Inhibitor Cocktail (Product No. 78425), in addition to the Phosphatase Inhibitor Cocktail.
- The Halt Phosphatase Inhibitor Cocktail interferes with 2D gel electrophoresis. The cocktail also interferes with some types of immobilized metal chelate affinity chromatography methods but is compatible with Thermo Scientific Pierce Phosphoprotein Enrichment Kit (Product No. 90003). Either dialyze or desalt (see the Related Products Section) sample to effectively remove inhibitors from cell extracts before performing incompatible procedures.
- The Halt Phosphatase Inhibitor Cocktail is supplied as a 100X concentrate that is effective when used at a final concentration of 1X; however, samples that contain particularly high levels of phosphatase activity may require a final concentration of 2-3X.
- The Halt Phosphatase Inhibitor Cocktail is compatible with Poppers® Cell Lysis Solutions (see the Related Pierce Products Section).

Procedure for using Halt Phosphatase Inhibitor Cocktail

1. Briefly vortex the vial of Halt Phosphatase Inhibitor Cocktail to ensure a homogeneous suspension of the components.
2. Immediately before use, add 10 μ l of Halt Phosphatase Inhibitor Cocktail per milliliter of sample directly to the cell lysis buffer or extract to produce a 1X final concentration. Alternatively, use a final concentration of 2-3X (20-30 μ l/ml) in samples containing a high level of phosphatase activity.

Related Products

78501	M-PER[®] Mammalian Protein Extraction Reagent, 250 ml
78260	B-PER[®] II Bacterial Protein Extraction Reagent, 250 ml
78510	T-PER[®] Tissue Protein Extraction Reagent, 500 ml
78999	Y-PER[®] Plus Dialyzable Yeast Protein Extraction Reagent, 500 ml
78833	NE-PER[®] Nuclear and Cytoplasmic Extraction Reagents, Kit
89826	Mem-PER[®] Eukaryotic Membrane Protein Extraction Reagent, Kit
89882	Zeba[™] Desalt Spin Columns, 0.5 ml, 25 columns
69574	Slide-A-Lyzer[®] MINI Dialysis Units, 10K MWCO, 10 units
78410	Halt Protease Inhibitor Cocktail Kit
78415	Halt Protease Inhibitor Cocktail, EDTA-Free
23225	Pierce BCA Protein Assay Kit, sufficient reagents for 500 standard tube assays
23236	Coomassie Plus – The Better Bradford Assay Kit, sufficient reagents for 630 standard assays

BCA[™] Technology is protected by U.S. Patent # 4,839,295.

B-PER[®] Technology is protected by U.S. Patent # 6,174,704.

Slide-A-Lyzer[®] MINI Dialysis Unit Technology is protected by U.S. Patent # 6,039,871.

This product ("Product") is warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Product documentation, specifications and/or accompanying package inserts ("Documentation") and to be free from defects in material and workmanship. Unless otherwise expressly authorized in writing, Products are supplied for research use only. No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the original purchaser of the Product ("Buyer").

No other warranties, express or implied, are granted, including without limitation, implied warranties of merchantability, fitness for any particular purpose, or non infringement. Buyer's exclusive remedy for non-conforming Products during the warranty period is limited to replacement of or refund for the non-conforming Product(s).

There is no obligation to replace Products as the result of (i) accident, disaster or event of force majeure, (ii) misuse, fault or negligence of or by Buyer, (iii) use of the Products in a manner for which they were not designed, or (iv) improper storage and handling of the Products.

Current versions of product instructions are available at www.thermo.com/pierce. For a faxed copy, call 800-874-3723 or contact your local distributor.

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