



PhosphataseArrest™ I

For Complete Inhibition of Phosphatase Activities

INTRODUCTION

PhosphataseArrest™ I is a broad spectrum phosphatase inhibitor cocktail consisting of 5 phosphatase inhibitors that target all the phosphatase categories: serine/threonine (Ser/Thr) specific, tyrosine specific and dual specificity phosphatases.

PhosphataseArrest™ I is a 100X concentrated, ready-to-use solution. If samples have high phosphatase activity then the PhosphataseArrest™ I can be used at 2-3X concentrations to ensure complete inhibition. PhosphataseArrest™ I cocktail is ideal for inhibition in tissue extractions and cell lysis experiments and is compatible with most common protein assays. Due to the salt concentrations of the cocktail, PhosphataseArrest™ I is not suitable for direct IEF/2D studies.

ITEM(S) SUPPLIED Cat# 786-450

PhosphataseArrest™ I [100X]	1.0ml
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STORAGE CONDITIONS

It is shipped at ambient temperature. Upon arrival, store PhosphataseArrest™ I at 4°C. If stored properly, it is stable for 1 year.

INSTRUCTION FOR USE

Vortex the Phosphatase Arrest I vial briefly before removing the solution.

PROTOCOL

Add 10 μ l/ml PhosphataseArrest™ I directly in to an appropriate volume of extraction buffer or protein extract to a 1X final concentration.

For higher potency of phosphatase inhibition, add 20-30 μ l/ml PhosphataseArrest™ I to give a 2-3X final concentration.

NOTE: A protease inhibitor cocktail [ProteaseArrest™ (Cat# 786-108)] and a Nuclease cocktail [FOCUS-Nuclease™ (Cat # 786-039F)] may be added in the same reaction mixture.

RELATED PRODUCTS

- 1. Fraction-FOCUS (Cat. # 786-168)** - For fractionation of protein for IEF/2D gel analysis.
- 2. Perfect-FOCUS (Cat. # 786-123)** - Preparing samples for 2D gels.
- 3. FOCUS-Nuclease™ (Cat. # 786-039F)** - for removing nucleic acid contamination from samples.
- 4. IBS™ (Cat. # 786-183)** - Inclusion bodies solubilization buffer. For solubilization of isolated inclusion bodies prior to re-folding protein procedures.
- 5. Foldase™ (Cat. # 786-185):** A kit for optimization of protein folding procedures includes a selection of Foldase, i.e., agents to facilitate protein folding.
- 6. NI™-Protein Assay (Cat. #786-005):** A protein assay that is free from interference of common laboratory agents, including reducing agents, detergents, dyes, EDTA, etc.

NOTE: For other related products, visit our web site at www.GBiosciences.com or contact us.

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