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A Geno Technology, Inc. (USA) brand name

# **FOCUS ProteaseArrest**<sup>™</sup>

### A 2D Electrophoresis Compatible Inhibitor Cocktail For Complete Inhibition of Protease Activities

(Cat. # 786-108F)



#### **INTRODUCTION**

FOCUS ProteaseArrest<sup>™</sup> is a protease inhibitor cocktail specifically developed for sample preparation for IEF/2D-studies. No EDTA is used, which allows optimal action of nuclease activity for removing nucleic acids from the samples. FOCUS ProteaseArrest<sup>™</sup> contains both irreversible and reversible protease inhibitors and inhibits serine, cysteine and metalloproteases etc. Due to the optimized concentration of the various inhibitors, the FOCUS ProteaseArrest<sup>™</sup> shows excellent inhibition of protease activities and is therefore suitable for the protection of proteins extracted from animal cells / tissues, plants, yeast and bacteria etc. It is compatible with our FOCUS Nuclease<sup>™</sup> for removing nucleic acid contamination from samples.

FOCUS ProteaseArrest<sup>™</sup> at 1X concentration in extraction buffer at pH 7-8 inhibits over 90% of protease activities.

#### ITEM(S) SUPPLIED (Cat. # 786-108F)

Description	Size
FOCUS ProteaseArrest <sup>™</sup> [100X]	1ml

#### **STORAGE CONDITIONS**

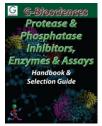
It is shipped at ambient temperature. Store FOCUS-Protease-Arrest<sup>m</sup> at -20°C upon arrival. If stored properly, it is stable for 1 year.

#### PROTOCOL

- 1. Allow the FOCUS Protease Arrest solution to warm to room temperature and briefly vortex or tap the vial to mix it completely before removing the solution for use.
- Add FOCUS ProteaseArrest<sup>™</sup> 10µl/ml directly in an appropriate volume of extraction buffer or protein extract to 1X final concentration.
  NOTE: When FOCUS ProteaseArrest<sup>™</sup> is added in the buffer or extract, it is stable for 1-2 weeks at 4°C and 8-10 weeks at -20°C.
- For higher potency of protease inhibition, add FOCUS ProteaseArrest<sup>™</sup> 15µl/ml to give 1.5X final concentration.
  NOTE: A Nuclease cocktail [e.g. our FOCUS Nuclease<sup>™</sup>, Cat # 786-039F] may be added in the same reaction mixture.

### **RELATED PRODUCTS**

Download our Protease & Phosphatase Inhibitors, Enzyme & Assays Handbook.



http://info.gbiosciences.com/protease-phosphatase-inhibitors-enzymes-assay-

handbook

For other related products, visit our website at <u>www.GBiosciences.com</u> or contact us.

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