



NCES[®] G-Biosciences + 1-800-628-7730 + 1-314-991-6034 + <u>technical@GBiosciences.com</u>

A Geno Technology, Inc. (USA) brand name

FOCUS ProteaseArrest[™]

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

(Cat. # 786-108F)



INTRODUCTION

FOCUS ProteaseArrest[™] 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[™] 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[™] 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[™] for removing nucleic acid contamination from samples.

FOCUS ProteaseArrest[™] 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 [™] [100X]	1ml

STORAGE CONDITIONS

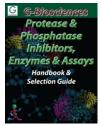
It is shipped at ambient temperature. Store FOCUS-Protease-Arrest^m at -20°C upon arrival. If stored properly, it is stable for 1 year.

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[™] 10µl/ml directly in an appropriate volume of extraction buffer or protein extract to 1X final concentration.
 NOTE: When FOCUS ProteaseArrest[™] 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[™] 15µl/ml to give 1.5X final concentration.
 NOTE: A Nuclease cocktail [e.g. our FOCUS Nuclease[™], 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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