

ProteCEASE™ -50, EDTA Free ***Protease Inhibitor Cocktail for Large Volume***

INTRODUCTION

ProteCEASE™-50, EDTA Free protease inhibitor cocktail contains optimized concentrations of various protease inhibitors, which provide excellent inhibition of protease activities during protein purification. *ProteCEASE™* is a superior general protease inhibitor cocktail that is suitable for purification from mammalian, plant, bacteria and yeast samples. The cocktail is **EDTA free** and contains both irreversible and reversible protease inhibitors to inhibit serine, cysteine and other proteases. At 1X concentration, *ProteCEASE™* inhibits over 90% of protease activities (e.g. Mouse Pancreas Extract 0.5mg/ml protein).

ProteCEASE™-50, EDTA Free is designed for large volumes of extraction/ lysis buffers and is supplied as 10 vials /kit (Cat# 786-327) or 20 vials/kit (Cat# 786-326), with each vial suitable for 50ml.

ITEMS SUPPLIED	Cat# 786-326 <i>[For 500ml]</i>	Cat# 786-327 <i>[For 1000ml]</i>
<i>ProteCEASE™</i> -50	10 Vials	20 Vials
<i>ProteCEASE™</i> Buffer	2 x 2.5ml	4 x 2.5ml

STORAGE CONDITIONS

Shipped at ambient temperature. Upon arrival, store *ProteCEASE™* at 4°C. If stored and used as recommended, the product is stable for 1 year.

INSTRUCTIONS FOR USE

ProteCEASE™ Buffer will freeze at 4°C. Allow all components to warm to room temperature before using. Using a clean and dry pipette tip, add 0.5ml of *ProteCEASE™* Buffer to a vial of *ProteCEASE™*-50 to reconstitute. Vortex briefly until completely dissolved. Close the *ProteCEASE™* Buffer cap tightly. Once reconstituted, the *ProteCEASE™* solution is stable for up to 1 week at 4°C.

Add 0.5ml of reconstituted *ProteCEASE™*-50 directly to 50ml extraction/lysis buffer and mix it immediately for optimal protease inhibition. Once *ProteCEASE™*-50 is added in the extraction/lysis buffer, use it within 20-30 minutes.

Optional: *If higher potency of protease inhibition is required, the amount of ProteCEASE™ may be doubled or sample volume reduced by half.*

NOTE: *ProteCEASE™*-50, EDTA Free is an EDTA free preparation. If metalloproteases inhibition is needed, add appropriate volume of 0.5M EDTA; e.g. 500µl 0.5M EDTA per 50 ml of sample or extraction/ lysis buffer or order our *ProteCEASE™*-50, Plus EDTA kit, Cat# 786-334 or 786-335.

RELATED PRODUCTS

1. ***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.
2. ***Foldase™*** (Cat # 786-185) – A kit for optimization of protein folding procedures; includes a selection of Foldases, i.e., agents to facilitate protein folding.

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

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