

**DATA SHEET****Protease Inhibition****PROTECTION FROM ENDOGENOUS PROTEASES DURING PROTEIN EXTRACTION**

The process of breaking open cell walls and subcellular compartments during protein extraction liberates endogenous proteases. Without effective inhibition, these enzymes will quickly diminish yields of intact proteins from cell and tissue extracts. The addition of protease inhibitors to lysis buffers used for protein extractions is an effective means of protecting extracted proteins from enzymatic degradation by endogenous proteases.

**PROTEOLOC PROTEASE INHIBITOR COCKTAILS FROM PROTEIN DISCOVERY**

Protein Discovery offers two protease inhibitor preparations for use with protein extraction lysis buffers: Proteoloc Protease Inhibitor Cocktail, and Proteoloc Protease Inhibitor Cocktail EDTA-free. Both products offer protection against loss of intact proteins due to endogenous protein activity.

Use the EDTA-free product if the next step in your workflow is isoelectric focusing, metal-affinity column separation, or another technique that is incompatible with chelation. Otherwise, use the standard Proteoloc Protease Inhibitor Cocktail, which contains EDTA.

Proteoloc Inhibitor Cocktail is the protease inhibitor mixture recommended for use with Protein Discovery's UPX™ Universal Protein Extraction and YPX™ Yeast Protein Extraction Kits.

Proteoloc Protease Inhibitor Cocktails are provided as 100X stock solutions in DMSO.

**ORDERING INFORMATION**

To order the Proteoloc Protease Inhibitor Cocktail or Proteoloc Protease Inhibitor Cocktail EDTA-free, visit [www.proteindiscovery.com](http://www.proteindiscovery.com) to request a quote, or contact Protein Discovery, Inc. by phone, fax, or e-mail.

(T) 865.521.7400 / (TF) 866.670.9038 / (F) 865.521.3548  
[sales@proteindiscovery.com](mailto:sales@proteindiscovery.com)

DESCRIPTION	PACKAGE SIZE	PART NUMBER
Proteoloc Protease Inhibitor Cocktail	100 µLx24 single-use vials each of inhibitor cocktail and EDTA solution	44201
Proteoloc Protease Inhibitor Cocktail	1 mL vial protease inhibitors & 1 mL vial EDTA	44202
Proteoloc Protease Inhibitor Cocktail	5 mL vial protease inhibitors & 5 mL vial EDTA	44203
Proteoloc Protease Inhibitor Cocktail	10 mL vial protease inhibitors & 10 mL vial EDTA	44204
Proteoloc Protease Inhibitor Cocktail, EDTA-free	100 µLx24 single-use vials protease inhibitors	44211
Proteoloc Protease Inhibitor Cocktail, EDTA-free	1 mL vial protease inhibitors	44212
Proteoloc Protease Inhibitor Cocktail, EDTA-free	5 mL vial protease inhibitors	44213
Proteoloc Protease Inhibitor Cocktail, EDTA-free	10 mL vial protease inhibitors	44214

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