

EZBlock™ Protease Inhibitor Cocktail III

Components	K278-set	Cap Code	Part Number
Cocktail (lyophilized)	1 vial	Amber WM	K278-set-1
DMSO	1 ml	Brown	K278-set-2

STORAGE: -20 °C

DESCRIPTION: A cocktail of five broad specificity protease inhibitors (see table below) that can provide maximal protection to prevent degradation of proteins, especially in bacterial cell extracts (except metal ion chromatography applications) by inhibition of various aspartic, serine, cysteine, metalloproteases and aminopeptidases.

USE: Reconstitution of each vial with 1 ml DMSO and 4 ml DI water makes 5 ml stock solution enough for 20 gm bacterial cell pellet. The best working concentration should be optimized for each individual application.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

Protease Inhibitor	M.W.	Target Protease	Concentration (in 5 ml stock)
AEBSF, HCl (Cat#1644)	239.7	Serine proteases	20 mM
Bestatin (Cat#1733)	308.4	Aminopeptidase B and leucine aminopeptidase	1.7 mM
E-64 (Cat#1739)	357.4	Cysteine Proteases	200 µM
EDTA, Disodium	372.2	Metalloproteases	85 mM
Pepstatin A (Cat#1732)	685.9	Aspartic Proteases	2 mM

RELATED PRODUCTS:

AEBSF, HCl (Cat. No. 1644-200, 1G)

Aprotinin (Cat. No. 4690-5, 100, 1000)

E-64 (Cat. No. 1739-5, 25)

EZBlock™ Phosphatase Inhibitor Cocktail I (Cat. No. K273-1, set)

EZBlock™ Phosphatase Inhibitor Cocktail II (Cat. No. K275-1, set)

EZBlock™ Phosphatase Inhibitor Cocktail III (Cat. No. K276-1, set)

EZBlock™ Protease Inhibitor Cocktail II (Cat. No. K277-set)

EZBlock™ Protease Inhibitor Cocktail IV (Cat. No. K279-1, set)

EZBlock™ Protease Inhibitor Cocktail V, EDTA-Free (Cat. No. K290-1, set)

EZBlock™ Protease Inhibitor Cocktail VI, General Use (Cat. No. K291-1, set)

EZBlock™ Protease Inhibitor Cocktail VII (Cat. No. K292-1, set)

EZBlock™ Protease Inhibitor Cocktail VIII (Cat. No. K293-1, set)

EZBlock™ Protease Inhibitor Cocktail IX (Cat. No. K294-1, set)

EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail (Cat. No. K283-1, set)

EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail, EDTA-Free (Cat. No. K284-1, set)

EZBlock™ Protease Inhibitor Cocktail V, EDTA-Free (Cat. No. K290-1, set)

EZLys™ Bacterial Protein Extraction Reagent (Cat. No. 8001-100, 500)

EZLys™ Lysozyme, Human (Cat. No. 8005-1G, 5G)

Leupeptin, Hemisulfate (Cat. No. 1648-25, 50, 100)

Pepstatin A (Cat. No. 1732-25, 100)

Protease Inhibitor Cocktail (Cat. No. K271-500)

PMSF (Cat. No. 1548-5)

FOR RESEARCH USE ONLY! Not to be used on humans.