

PRODUCT: EZBlock™ Protease Inhibitor Cocktail III**CATALOG #:**

K278-1 EA 1 set (1 vial of lyophilized cocktail + 1 ml DMSO)

FORM:

Lyophilized solid

STORAGE:

Store at -20°C.

DESCRIPTION:

A cocktail consisting of five protease inhibitors useful for the inhibition of aspartic, cysteine, serine, metalloproteases and aminopeptidases. Each vial should be reconstituted with 1 ml DMSO and 4 ml H₂O to obtain a 5 ml stock solution. This reconstituted stock solution should have the five inhibitors at the concentrations outlined in the table below:

Protease Inhibitor	M.W.	Target Protease	Concentration in the vial
AEBSF, HCl	239.5	Serine proteases	20 mM
Bestatin	308.4	Aminopeptidase B and leucine aminopeptidase	1.7 mM
E-64	357.4	Cysteine proteases	200 µM
EDTA, Disodium	372.2	Metalloproteases	85 mM
Pepstatin A	685.9	Aspartic Proteases	2 mM

APPLICATION:

For the protection of proteins from endogenous proteases that can be released during protein extraction from cell lysates. This protease inhibitor cocktail is recommended for use with bacterial cell extracts (except in case of use in metal ion chromatography). One set is sufficient for about 20 grams of cells.

HANDLING:

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

RELATED PRODUCTS:

AEBSF, HCl (**Cat. No. 1644-200, 1G**)
Aprotinin (**Cat. No. 4690-5, 100, 1000**)
Calyculin A (**Cat. No. 1562-025**)
BCA Protein Quantitation Kit (**Cat. No. K812-1000**)
Bradford Protein Quantitation Kit (**Cat. No. K810-1000**)
E-64 (**Cat. No. 1739-5, 25**)
EZBlock™ Phosphatase Inhibitor Cocktail I (**Cat. No. K273-1ML, 1EA**)
EZBlock™ Phosphatase Inhibitor Cocktail II (**Cat. No. K275-1ML, 1EA**)
EZBlock™ Phosphatase Inhibitor Cocktail III (**Cat. No. K276-1ML, 1EA**)
EZLys™ Bacterial Protein Extraction Reagent (**Cat. No. 8001-100, 500**)
EZBlock™ Protease Inhibitor Cocktail EDTA-Free (**Cat. No. K272-1ML, 5ML, 1EA**)
EZBlock™ Protease Inhibitor Cocktail II (**Cat. No. K277-1EA**)
EZBlock™ Protease Inhibitor Cocktail IV (**Cat. No. K279-1, 1EA**)
Leupeptin, Hemisulfate (**Cat. No. 1648-25, 50, 100**)
EZLys™ Lysozyme, Human (**Cat. No. 8005-1G, 5G**)
Okadaic Acid (**Cat. No. 1543-025**)
Okadaic Acid, Ammonium Salt (**Cat. No. 1766-025**)
Okadaic Acid, Potassium Salt (**Cat. No. 1765-025**)
Okadaic Acid, Sodium Salt (**Cat. No. 1764-025**)
PMSF (**Cat. No. 1548-5**)
Pepstatin A (**Cat. No. 1732-25, 100**)
Protease Inhibitor Cocktail (**Cat. No. K271-500**)

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