

EZblock™ Protease Inhibitor Cocktail

Rev 01/21

CATALOG NO: K271-500

SIZE: 1 vial; 125 ml 1X working solution

FORM: Lyophilized solid

STORAGE: -20 °C. Hygroscopic

DESCRIPTION: A cocktail of four broad specificity protease inhibitors (see table below) that can provide maximal protection to prevent degradation of proteins in mammalian tissue and cell extracts by inhibition of various serine and cysteine proteases.

PREPARATION: Add 250 µl DMSO to the vial, pipet several times to dissolve the powder completely (This makes 500X concentrated inhibitor cocktail). One vial can make 125 ml of final 1X working solution.

Protease Inhibitor	M.W.	Target Protease	Amount (500x)	Suggested working concentration*
Aprotinin (Cat#4690)	6512	Broad spectrum, serine proteases	238 µg/vial	0.06-2 µg/ml (0.01-0.3 µM)
Leupeptin (Cat#1648)	475.6	Serine/Cysteine proteases	238 µg/vial	0.5-2 µg/ml (1-4 µM)
Pepstatin A (Cat#1732)	685.9	HIV proteases, Aspartic proteases, Acid proteases	83 µg/vial	~0.7 µg/ml (~1 µM)
PMSF (Cat#1548)	174.2	Serine/Cysteine proteases/ Mammalian acetylcholinesterase	20.2 mg/vial	17-170 µg/ml (0.1-1 mM)

*These are recommended as starting concentration ranges. Optimal concentrations can be determined by the user for different sample types.

RELATED PRODUCTS:

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

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

Calyculin A (Cat. No. 1562-025)

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™ Phosphatase Inhibitor Cocktail IV (Cat. No. K282-1, set)

EZBlock™ Protease Inhibitor Cocktail EDTA-Free (Cat. No. K272-1, 5, set)

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

EZBlock™ Protease Inhibitor Cocktail III (Cat. No. K278-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)

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)

PMSF (Cat. No. 1548-5)

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