

Protease & Phosphatase Inhibitor Cocktails

Proteases are a family of naturally occurring regulatory enzymes that cleave the peptide bonds between the amino acids of polypeptide chains. During protein expression and isolation, endogenous cellular proteases can rapidly digest cellular proteins resulting in substantially diminished quality and quantity of protein samples needed for characterization and analysis. BioVision has introduced a new and exciting line of general, as well as specific protease inhibitors and cocktails, which can prevent in vitro proteolysis events. These protease inhibitors and cocktails are provided in an easy-to-use form and can be employed for inhibition of a broad range of proteases. The inhibitor cocktail kits are designed to include various combinations of inhibitors at their optimum concentrations, providing researchers with a number of options to specifically choose from, including the EDTA-free form.

Protein phosphorylation is the most common and important form of reversible protein posttranslational modification (PTM), with up to 30% of all proteins being phosphorylated at any given time. A wide range of biological processes are controlled by phosphorylation and dephosphorylation of proteins. In order to understand the accurate phosphorylated status of a protein, it is important to preserve the phosphorylation state of the proteins during the extraction of phosphoproteins from tissue and cell sample lysates. BioVision introduces five different EZBlock™ Phosphatase Inhibitor Cocktails and two new Universal Protease and Phosphatase inhibitor cocktails, which would provide protection against both proteases and phosphatases during protein extraction and purification.

Protease & Phosphatase Inhibitor Cocktails

Product Name	Cat. No.	Size	Target Proteases/Phosphatases
EZBlock™ Phosphatase Inhibitor Cocktail I	K273	1 ml, 5 x 1 ml	Acid/Alkaline/Ser/Thr/Protein Tyrosine Phosphatases
EZBlock™ Phosphatase Inhibitor Cocktail II	K275	1 ml, 5 x 1 ml	Acid/Alkaline/Ser/Thr/Protein Tyrosine Phosphatases
EZBlock™ Phosphatase Inhibitor Cocktail III	K276	1 ml, 5 x 1 ml	Alkaline/Ser/Thr Phosphatases (PP1 & PP2A)
EZBlock™ Phosphatase Inhibitor Cocktail IV	K282	1 ml, 5 x 1 ml	Acid/Alkaline/Ser/Thr/Protein Tyrosine Phosphatases
EZBlock™ Phosphatase Inhibitor Cocktail XI	K298	1 vial, 5 x 1 vial	Alkaline/Acid/Protein Tyrosine Phosphatases
EZBlock™ Protease Inhibitor Cocktail	K271	1 Kit	Aspartic/Cysteine/Serine proteases/Esterases
EZBlock™ Protease Inhibitor Cocktail II	K277	5 x 1 vial	Cysteine/Serine/Trypsin-like proteases/ Aminopeptidases/Metalloproteases & Esterases
EZBlock™ Protease Inhibitor Cocktail II, Animal-Free	K394	1 vial, 5 x 1 vial	Cysteine/Serine/Trypsin-like proteases/ Aminopeptidases/Metalloproteases & Esterases
EZBlock™ Protease Inhibitor Cocktail III	K278	Set (1 vial of lyophilized cocktail + 1 ml DMSO)	Aspartic/Cysteine/Serine/Trypsin-like proteases/Aminopeptidases/ Metalloproteases
EZBlock™ Protease Inhibitor Cocktail IV	K279	1 ml, 5 x 1 ml	Aspartic/Cysteine/Serine proteases/ Metalloproteases
EZBlock™ Protease Inhibitor Cocktail IX	K294	1 ml, 5 x 1 ml	CalpainI/II/Cathepsin A/B/Cathepsin L/ Cysteine proteases/Papain

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Product Name	Cat. No.	Size	Target Proteases/Phosphatases
EZBlock™ Protease Inhibitor Cocktail V, EDTA-Free	K290	1 vial, 5 x 1 vial	Serine proteases/Broad spectrum
EZBlock™ Protease Inhibitor Cocktail VI, General Use	K291	1 vial, 5 x 1 vial	Broad spectrum/Serin/Cysteine proteases/ Aminopeptidase B & Leucine Aminopeptidase/Metalloproteases
EZBlock™ Protease Inhibitor Cocktail VII	K292	1 ml, 5 x 1 ml	Broad spectrum/Aspartic/Serin/Cysteine proteases/Aminopeptidase B & Leucine Aminopeptidase/Metalloproteases
EZBlock™ Protease Inhibitor Cocktail VIII	K293	1 ml, 5 x 1 ml	Aspartic/Serin/Cysteine proteases/ Aminopeptidase B & Leucine Aminopeptidase/Metalloproteases
EZBlock™ Protease Inhibitor Cocktail VIII, DMSO-Free	K395	1 vial, 5 x 1 vial	Aspartic/Cysteine/Serine/thermolysin-like proteases/Aminopeptidases
EZBlock™ Protease Inhibitor Cocktail X, EDTA-Free	K297	1 vial, 5 x 1 vial	Broad spectrum/Serin/Cysteine proteases/ Aminopeptidase B & Leucine Aminopeptidase
EZBlock™ Protease Inhibitor Cocktail XII, EDTA-Free, Animal-Free	K221	1 vial, 5 x 1 vial	Cysteine & Serine proteases
EZBlock™ Protease Inhibitor Cocktail XIII, EDTA-Free, Animal-Free	K222	1 vial, 5 x 1 vial	Aspartic/Cysteine/Serine/Acid proteases/ Aminopeptidases
EZBlock™ Protease Inhibitor Cocktail XIV	K223	1 vial, 5 x 1 vial	Cysteine proteases including Cathepsins & Papain
EZBlock™ Protease Inhibitor Cocktail XV	K393	1 vial, 5 x 1 vial	Cysteine proteases including Cathepsins & Papain
EZBlock™ Protease Inhibitor Cocktail XVI	S233	1 vial	Aspartic/Serine/Cysteine/Metalloproteases/ Aminopeptidases
EZBlock™ Protease Inhibitor Cocktail, EDTA-Free	K272	1 ml, 5 ml, 5 x 1 ml	Aspartic/Cysteine/Serine/Trypsin-like proteases/Aminopeptidases/Esterases
EZBlock™ Universal protease & Phosphatase Inhibitor Cocktail	K283	2 vials, 10 vials	Cysteine/Serine/Trypsin-like proteases/ Aminopeptidases/Metalloproteases & Esterases/Acid/Alkaline/Ser/Thr/Protein Tyrosine Phosphatases
EZBlock™ Universal protease & Phosphatase Inhibitor Cocktail, EDTA-Free	K284	1 ml, 5 x 1 ml	Cysteine/Serine/Trypsin-like proteases/ Aminopeptidases/Metalloproteases & Esterases/Acid/Alkaline/Ser/Thr/Protein Tyrosine Phosphatases

Please visit www.BioVision.com for a comprehensive overview on our prod-