

PROTEASE INHIBITORS

Protease Inhibitor Cocktail Selection Guide

Product Name	Sample Type & key features	Inhibition Specificity	1X Composition	Concentration & Available Sizes
ProteaseARREST™	For general use. EDTA is supplied in a separate vial	Serine, cysteine, calpain and metallo-proteases	668µM AEBSF 0.3µM Aprotinin 3µM Bestatin 5mM EDTA 5.25µM Leupeptin 1mM PMSF	100X DMSO solution 24 x 100µl, 2ml, 5ml, 10ml, 5 x 10ml
Bacterial ProteaseARREST™	For bacterial cell extracts EDTA is supplied in a separate vial	Bacterial serine, cysteine and other bacterial specific proteases including aminopeptidases and aspartic proteases	668µM AEBSF 3µM Bestatin 14µM E-64 5mM EDTA 1µM Pepstatin A 1mM PMSF	100X DMSO solution 1ml, 5ml
Mammalian ProteaseARREST™	For mammalian tissue and cell extracts EDTA is supplied in a separate vial	Mammalian serine, cysteine and other mammalian specific proteases including aminopeptidases, trypsin-like and aspartic proteases	668µM AEBSF 0.3µM Aprotinin 3µM Bestatin 14µM E-64 5mM EDTA 5.25µM Leupeptin 1µM Pepstatin A 1mM PMSF	100X DMSO solution 1ml, 5ml
Plant ProteaseARREST™	For plant tissue and cell extracts EDTA is supplied in a separate vial	Plant serine, cysteine and other plant specific proteases including aminopeptidases, aspartic and metalloproteases	668µM AEBSF 3µM Bestatin 14µM E-64 5.25µM Leupeptin 1µM Pepstatin A 2mM 1,10-Phenathroline 1mM PMSF	100X DMSO solution 1ml, 5ml
Yeast/Fungal ProteaseARREST™	For yeast and fungal cell extracts	Yeast and fungal serine, cysteine and metalloproteases	668µM AEBSF 14µM E-64 1µM Pepstatin A 2mM 1,10-Phenathroline 1mM PMSF	100X DMSO solution 1ml, 5ml
Recom ProteaseARREST™	For recombinant protein isolation	Inhibits bacterial serine, cysteine, metallo- and other bacterial specific proteases including aminopeptidases and aspartic proteases	668µM AEBSF 1mM 1,10-Phenathroline 1mM Benzamidine 1mM Iodoacetamide 1µM Pepstatin A 1mM PMSF	100X DMSO solution 1ml, 5ml
TCM ProteaseARREST™	For protection of secreted proteins in tissue culture media. Sterile filtered	A wide range of serine, cysteine and other specific proteases including aminopeptidases trypsin-like and acid proteases	0.6µM Aprotinin 58µM Bestatin 28µM E-64 10.5µM Leupeptin 2.1µM Pepstatin A	200X Sterile filtered DMSO solution 1ml, 2ml
FOCUS™ ProteaseARREST	For sensitive downstream proteomic applications (i.e. 2DGE and mass spec)	Reversible and irreversible inhibitors of serine, cysteine, calpain and metallo-proteases	340µM AEBSF 0.3µM Aprotinin 1.45µM Bestatin 3.4µM Calpain Inhibitor I 5.25µM Leupeptin 17µM Phosphoramidon 1mM PMSF	100X DMSO solution 1ml
ProteCEASE™ 50 ProteCEASE™ 100	Dry Format with optional EDTA and resuspension buffer for 50ml or 100ml lysis buffer respectively	Serine, cysteine, calpain and metallo-proteases	668µM AEBSF 0.3µM Aprotinin 3µM Bestatin 5mM EDTA 5.25µM Leupeptin 1mM PMSF	Lyophilized format with optional EDTA solution and solubilization solution 1, 10 & 20 vials

Table 1: Protease inhibitor cocktail selection guide.