

# DETECTION AND PURIFICATION

## Protease Inhibitor Cocktails

Protease Inhibitor Cocktails maintain and preserve cellular protein composition following cell lysis. When used with Cellytics, they also preserve target protein activity. These cocktails have been optimized for a wide variety of specific applications, ensuring excellent inhibition and ease of use.

Protein Source	Inhibitor Cocktail Product Code	Components													Form of Cocktail	Usage (1 ml of cocktail will inhibit)			
		AEBSF	Aprotinin	Bestatin	Bromotetramisol	Canthardin	EDTA	E-64	Imidazole	Leupeptin	Microcystin LR	Pepstatin A	Phosphoramidon	1, 10-Phenanthroline			Sodium Molybdate	Sodium Orthovanadate	Sodium Tartrate
Tissue Culture Media	<a href="#">P 1860</a>		√	√				√		√		√						Solution in DMSO	Dilution of > 1:200 in tissue culture media to prevent proteolytic degradation of secreted proteins
Bacterial Cells	<a href="#">P 8465</a>	√		√			√	√										Lyophilized powder + vial of DMSO	20 ml of cell lysate from 4 g (wet weight) of <i>E. coli</i> cells.
Mammalian Tissue	<a href="#">P 8340</a>	√	√	√				√		√		√						Solution in DMSO	100 ml of cell lysate from 20 g (wet weight) of bovine liver or 10 ml of cell lysate obtained from CHO cells at a density of 10 <sup>7</sup> cells per ml
Fungal/Yeast Cells	<a href="#">P 8215</a>	√						√				√		√				Solution in DMSO	100 ml of cell lysate from 20 g (wet weight) of <i>S. cerevisiae</i> cells
Plant Cells	<a href="#">P 9599</a>	√		√				√		√		√		√				Solution in DMSO	100 ml of cell lysate from 30 g (wet weight) of plant tissue
Histidine tagged Proteins	<a href="#">P 8849</a>	√		√				√				√		√				Solution in DMSO	100 ml of cell lysate from 20 g (wet weight) of <i>E. coli</i> cells or 10 g (wet weight) of baculovirus infected cells
General Use	<a href="#">P 2714</a>	√	√	√			√	√		√								Lyophilized powder (water soluble)	1 mg of pancreatin
Tyrosine protein phosphatases & alkaline phosphatases	<a href="#">P 5726</a>														√	√	√	Solution in water	100,000 x g supernatant from human placenta, bovine liver, rabbit muscle, A431, or Jurkat cell extracts at a protein concentration of approx. 5 mg/ml
Ser/Thr phosphatases & L-isozymes of alkaline phosphatases	<a href="#">P 2850</a>				√	√					√							Solution in DMSO	

See Individual Protease Inhibitors (Page 16)