

Protease Inhibitor Cocktail

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Protease inhibitor cocktail	ML051-1ML	1x1 ml
	ML051-5ML	1x5 ml

Description: Protease inhibitor cocktail is used for the instantaneous protection of proteins from various proteases during cell extraction procedure. It is effective on extracts from almost any tissue or cell, including animals, plant, yeast, bacteria, or fungi. Proteases are endogenous cellular enzymes that degrade proteins during preparation of crude cell extract and great care should be taken to get a good yield of protein. For this reason protease inhibitors are used for the protection of extracted proteins from several proteases. HiMedia's Protease inhibitor cocktail is a broad-spectrum protease inhibitor and does not contain any phosphatase inhibitors. It is supplied as 100X solution. 0.5 M EDTA is provided with the protease inhibitor cocktail in a separate vial.

The protease inhibitor cocktail contains the following individual components:

Protease Inhibitor	Targeted Protease Family	Type of inhibition	Concentration (100X in 95% DMSO)
AEBSF-HCl	Serine protease	Irreversible	100mM
Aprotinin	Serine protease	Reversible	80µM
Bestatin	Amino-peptidases	Reversible	5mM
E-64	Cysteine proteases	Irreversible	1.5mM
Leupeptin	Serine and Cysteine proteases	Reversible	2mM
Pepstatin A	Aspartic acid proteases	Reversible	1mM

Storage conditions: The Protease inhibitor cocktail is to be stored at 4°C.

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