

Protease Inhibitor Cocktail , EDTA-free (100X)

Technical literature is available at: www.mesgenbio.com. E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com



Catalog Number : MG2284

Lot Number : Refer to vial

Package : 1.0mL 10X1.0mL

Application

EDTA-free mixture of several protease inhibitors that inhibit cysteine and serine, but not metalloproteases.

Background

Protease Inhibitor Cocktail, EDTA-free (100X) are ready-to-use concentrated stock DMSO solutions of protease inhibitors for addition to samples to prevent proteolytic degradation during cell lysis and protein extraction. Each component has specific inhibitory properties. AEBSF and Aprotinin act to inhibit serine proteases, including trypsin, chymotrypsin, and plasmin amongst others. Bestatin inhibits aminopeptidases. E-64 acts against cysteine proteases. Leupeptin acts against both serine and cysteine proteases. Pepstatin A inhibits acid proteases.

Cocktail component

Name	CAS	Concentration	Target proteases
AEBSF	30827-99-7	100 mM	Serine proteases
Aprotinin	9087-70-1	80 μ M	Serine proteases
Bestatin/Ubenimex	58970-76-6	5 mM	Aminopeptidases
E64	66701-25-5	1.5 mM	Cysteine proteases
Pepstatin A	26305-03-3	1.0mM	Aspartic proteases
Leupeptin	103476-89-7	2 mM	Serine and cysteine proteases

Procedure

1. Equilibrate the tube to room temperature. Vortex the tube before use to ensure a homogeneous suspension.
2. Add Protease Inhibitor Cocktail at 10 μ L/mL directly to the lysis buffer or cell extract to produce a 1X final concentration.

Storage

-20°C

For Research Use Only. Not For Use In Diagnostic Procedures.