



## TECHNICAL DATA SHEET

PROTEASE INHIBITOR COCKTAIL - FOR BACTERIAL CELL EXTRACTS (PIC-3)

**CAT #: A-0015**

**Note:** Shipping Condition May Differ From Storage Condition.

**Size:** 1 Vial

**Description:** PIC-3 is a specially formulated inhibitor cocktail containing lyophilized mixture of five protease inhibitors for use with bacterial cell extracts. PIC-3 has specificity for Serine proteases, Aminopeptidases, Cysteine proteases, Metalloproteases and Aspartic proteases.

PIC-3 is provided as a single vial. Reconstitute with 1 ml DMSO and 4ml sterile water to obtain a 5ml stock solution. The reconstituted vial contains AEBSF, Bestatin, E-64, EDTA and Pepstatin at the concentrations shown in the table below.

One vial is sufficient to treat about 20g bacterial cells.

Name	MW	Conc. in 5 ml	Target protease
AEBSF, HCL	239.5	20 mM	Serine Proteases
Bestatin	308.4	1.7 mM	Aminopeptidase B and Leucine Aminopeptidase
E-64 protease Inhibitor	357.4	200 mM	Cysteine Proteases
EDTA, Di Sodium	372.2	85 mM	Metalloproteinases
Pepstatin A	658.9	2 mM	Aspartic Proteases

**Form:** Lyophilized

**Storage:** Store at  $-20^{\circ}\text{C}$ . After reconstituting, aliquot and store at  $-20^{\circ}\text{C}$  to avoid frequent freeze thawing.

**ITSI – Biosciences**

633 Napoleon Street, Johnstown, PA 15901, USA

**Phone:** +1-814-262-7331, **Fax:** +1-814-262-7334, **Email:** [itsi@itsibio.com](mailto:itsi@itsibio.com), **Website:** [www.itsibio.com](http://www.itsibio.com)