



# TECHNICAL DATA SHEET

PROTEASE INHIBITOR COCKTAIL - FOR GENERAL USE (PIC-1 General Use)

**CAT #: A-0013**

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

**Size:** 1 vial

**Description:** PIC-1 General Use, is a specially formulated protease inhibitor cocktail containing five-protease inhibitors with specificity for the inhibition of serine, cysteine, aspartic proteases and aminopeptidases. PIC-1 is recommended for general use. It is provided as a convenient ready-to-use lyophilized form. Just add 1 ml of distilled or deionized water to the vial and mix gently. Aliquot into multiple tubes and store at  $-20^{\circ}\text{C}$ . Multiple freeze-thaw cycles is not recommended. When stored this way, the reconstituted cocktail has a shelf life of about 2 weeks. 1ml of cocktail is sufficient for 100 ml of your sample buffer.

The cocktail contains:

Name	MW	1ml	Working	Target protease
AEBSF, HCL	239.5	50mM	0.5mM	Serine Proteases
Aprotinin, Bovine lung, Crystalline	6512.0	30 $\mu\text{M}$	0.3 $\mu\text{M}$	Broad spectrum, Serine Proteases
E-64	357.4	1mM	10 $\mu\text{M}$	Cysteine Proteases
Leupeptin, Hemisulfate	475.6	1mM	10 $\mu\text{M}$	Cysteine Proteases and Trypsin-like Proteases
EDTA	372.2	5mM	50 $\mu\text{M}$	Aspartic Proteases

**Form:** Lyophilized

**Preparation:** Cocktail makes 1 ml of 100X Concentrate

**Storage:** Store at  $-20^{\circ}\text{C}$ . Aliquot and store at  $-20^{\circ}\text{C}$  after reconstituting.

**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)