



Cyrusbioscience

CyICT[®] Protease + Phosphatase Inhibitor Cocktail TURBO

This broad spectrum CyICT[®] Protease + Phosphatase Inhibitor Cocktail TURBO has been specifically designed to provide complete protection of valuable proteins of interest from degradation during extraction and purification. It inhibits activity in extracts from almost any tissue or cell types including animals, plants, yeasts, bacteria and fungi.

Cat. Number: ICT002

Storage/Stability:

Freezer (-20°C). Hygroscopic. Following reconstitution, aliquot and freeze (-20°C).

Stock solutions are stable for up to 1 month at -20°C

Features and Benefits: Complete protection from proteases and phosphatases in one single cocktail.

Description:

White Lyophilized Solid. The cocktail contains 16 inhibitors targeting against the major classes of proteases and phosphatases as outlined in the following table.

Products	Target Proteases	Products	Target Phosphatases
AEBSF, HCl	Serine Proteases	Imidazole	Alkaline Phosphatases
Aprotinin	Broad Spectrum, Serine Proteases	Sodium Orthovanadate	Protein Tyrosine Phosphatase, Alkaline Phosphatase
Bestatin	Aminopeptidase B and Leucine Aminopeptidase	Sodium Molybdate	Acid and Phosphoprotein Phosphatases
E-64	Cysteine Proteases	Sodium Fluoride	Acid Phosphatases
Leupeptin	Cysteine Proteases and Trypsin-like Proteases	Sodium Pyrophosphate	PP1 and PP2A
Pepstatin A	Aspartic Proteases	Glycerophosphate	Ser/Thr Phosphatases
Phosphoramidon	Metalloproteases Metalloendopeptidases	Sodium Tartrate Dihydrate	Acid Phosphatases
Antipain	Papain, Cathepsin A/B	Bromotetramisole oxalate	Alkaline Phosphatases

Recommended Usage:

This cocktail has been optimized for effectiveness, convenience, stability, reproducibility and has been tested for general use. It inhibits activity in extracts from almost any tissue or cell types including animals, plants, yeasts, bacteria and fungi.

Reconstitute each vial with 1 ml of water to obtain a concentrated stock solution. Dilute this stock solution to 1X before use. Recommended dilution is 1:100 (based on the application). One vial is recommended for 10g-20g of tissue or cell extract.

Solubility: Soluble in water, aqueous buffers or add directly to extraction media.