



**Cyrusbioscience**

## CyICT<sup>®</sup> Phosphatase Inhibitor Cocktail TURBO

This broad spectrum CyICT<sup>®</sup> Phosphatase Inhibitor cocktail has been specifically designed to provide complete protection of valuable proteins of interest from degradation during extraction and purification

**Cat. Number:** ICT001

### **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 8 inhibitors targeting against the major classes of proteases as outlined in the following table.

<b>Products</b>	<b>Target Proteases</b>	<b>Products</b>	<b>Target Phosphatases</b>
Imidazole	Alkaline Phosphatase	Sodium Pyrophosphate	PP1 and PP2A
Sodium Orthovanadate	Protein Tyrosine Phosphatase, Alkaline Phosphatase	Glycerophosphate	Ser/Thr Phosphatase
Sodium Molybdate	Acid and Phosphoprotein Phosphatases	Sodium Tartrate Dihydrate	Acid Phosphatases
Sodium Fluoride	Acid Phosphatases	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.