

Protein Phosphatase Inhibitor Cocktail, Full Range

CATALOG # FC0050-0001

Storage : -20 °C

DESCRIPTION

The full range protein phosphatase inhibitor cocktail has broad inhibition of Serine/Threonine, tyrosine protein phosphatases, acid and alkaline phosphatases.

SPECIFICATIONS

Components: Each phosphatase inhibitor cocktail vial contains the following components in aqueous solution:

Inhibitor	Concentration	Target / Applications
Sodium Fluoride	5 mg/mL	broad spectrum, acid phosphatase
Sodium Orthovanadate	20 mg/mL	ATPase, tyrosine phosphatase and phosphor-transferring enzyme
Sodium Molybdate	30 mg/mL	acid and phosphoprotein phosphatase
Sodium Tartrate	120 mg/mL	acid phosphatase
Imidazole	15 mg/mL	alkaline phosphatase
Sodium Pyrophosphate	0.1 mg/mL	PP1/PP2A inhibitor
β-Glycerophosphate	0.75 mg/mL	a serine/threonine phosphatase inhibitor
Sodium Molybdate	0.5 µg/mL	an acid and phosphoprotein phosphatases inhibitor

Shipping and Storage: For maximum stability and long-term use, store at -20 °C. The product is stable for one year when stored properly.

PACKAGE QUALITY

One vial makes 100 mL of extract solution.

QUALITY EQUIVALENCY

One mL of cocktail is recommended for the preparation of 100 mL extract buffer that contained a maximum 500 mg of proteins. One vial is recommended for the inhibition of Serine/Threonine and tyrosine phosphatases present in a maximum of 500 mg of cell or tissue extract.

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