

Phosphatase Inhibitor Cocktail (100X)

Technical literature is available at: www.mesgenbio.com. E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com



Catalog Number : MG2285

Lot Number : Refer to vial

Package : ☐ 1.0mL A+1.0mL B ☐ 10X1.0mL A+10X 1.0mL B

Application

Phosphorylation Protection.

Background

Phosphatase Inhibitor Cocktail is a cocktail of eight phosphatase inhibitors which has been optimized for the inhibition of protein tyrosine phosphatases, as well as acid and alkaline phosphatases. It can be used on animal tissues, A431, or Jurkat cell extracts. Suitable for cell extracts containing detergents. This product contains Cyclosporin A , Sodium Fluoride , beta-Glycerophosphoric Acid Disodium Salt, Sodium Orthovanadate, Disodium Molybdate Dihydrate, Sodium Pyrophosphate, decahydrate, Imidazole, Cantharidin.

Cocktail component

	Name	CAS	Concentration	Target phosphatases
A (H ₂ O)	Sodium Fluoride	7681-49-4	100 mM	Acid phosphatases
	Sodium Orthovanadate	13721-39-6	100 mM	Alkaline phosphatases, PTPs, ATPases
	Imidazole	288-32-4	200 mM	Alkaline phosphatases
	Disodium beta-glycerophosphate Tetrahydrate	819-83-0	1 M	Acid phosphatases
	Sodium Pyrophosphate	7722-88-5	200 mM	Acid phosphatases
	Disodium Molybdate Dihydrate	10102-40-6	115 mM	Acid and phosphoprotein phosphatases
B (DMSO)	Cyclosporine A	59865-13-3	1 mM	Calcineurin
	Cantharidin	56-25-7	500 μ M	Ser/Thr phosphatases

Procedure

Thaw at room temperature. Before assaying, add each solution at 1:100 (v/v) dilution to samples (such as cell lysates or tissue extracts). Mix the sample sufficiently after each time of addition.

Storage

-20°C

For Research Use Only. Not For Use In Diagnostic Procedures.