

Kinase Inhibitor Cocktail

1 Components

Component	HY-K0017-1 mL	HY-K0017-10 mL	HY-K0017-50 mL
Kinase Inhibitor Cocktail	1 mL	1 × 10 mL	1 mL × 50

2 Introduction

MCE Kinase Inhibitor Cocktail controls the biological activity of kinases. This inhibitor is primarily used for Biochemicals applications.

This cocktail is supplied as a ready-to-use solution in ddH₂O. The individual components of this kinase inhibitor cocktail have specific inhibitory properties.

Ingredient	5× Conc.	Function
MOPS	20 mM	maintain the pH
PKC inhibitor peptide	20 μM	Inhibits PKC
PKA inhibitor peptide	2 μM	Inhibits PKA
R24571	20 μM	Inhibits Ca ²⁺ dependent protein kinase
β-glycerol phosphate	25 mM	Inhibits phosphatase
EGTA	5 mM	Calcium chelator
Sodium Orthovanadate	1 mM	Inhibits alkaline phosphatase and some ATPase enzymes
Dithiothreitol	1 mM	strong reducing agent

3 General Protocol

1. Thaw at room temperature, add at 1:5 (v/v) dilution to 1 solution samples, and mix thoroughly.
2. It is recommended to prepare solutions of this product fresh when needed.

4 Storage

-20°C, 2 years
Protect from light

5 Precautions

1. Avoid repetitive freeze-thaw cycles.
2. This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.
3. For your safety and health, please wear a lab coat and disposable gloves to operate.