



H⁺K⁺-ATPase Activity Assay Kit

Cat No: HR3BC1171

For research use only

Overview

Detection Method	Colorimetric method
Storage	Reagent 4: -20?, others: 2-8?
Instrument	Spectrophotometer(660 nm)
Assay Time	60 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Animal tissue,cells
Synonyms	
Instrument	Spectrophotometer(660 nm)
Detection Principle	ATPase can decompose ATP to produce ADP and inorganic phosphorus. The activity of ATPase can be expressed by measuring the production amount of inorganic phosphorus in unit time. The inorganic phosphorus reacts with ammonium molybdate in acidic solution to form ammonium molybdate compound, which is reduced with reducing agent to form molybdenum blue, and has absorption peak at 660 nm. Determine the concentration of molybdenum blue to calculate the amount of inorganic phosphorus.
Reagents	Normal saline (0.9% NaCl)
Labware	Micropipettor, Centrifuge, Incubator, Water bath, Vortex mixer
Size	100Assays
Sensitivity	
Detection Range	
Recovery Rate	109